



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: April 19, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Greg Fries

Jul 1, 2022

City Engineer

Date

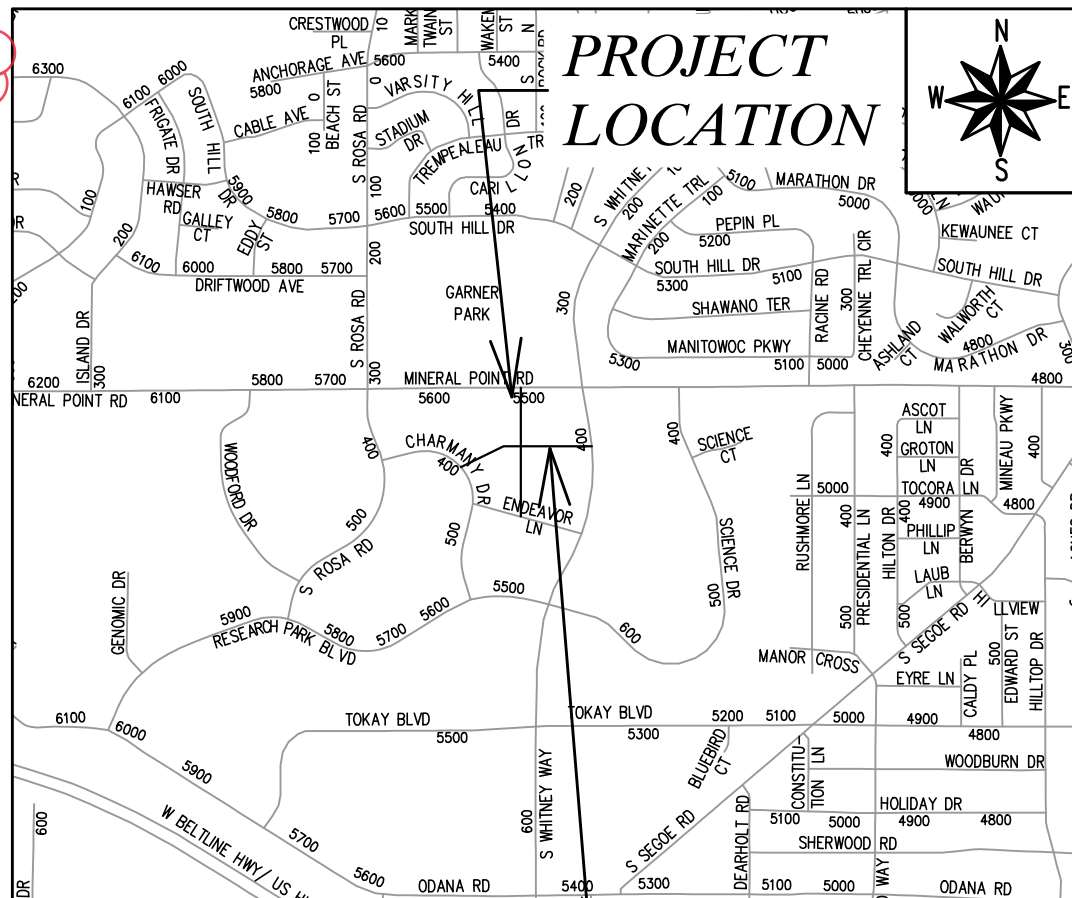
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MA1	

REV 4 - 07/26/2023 - AJZ
- Revise/add private lighting plans

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

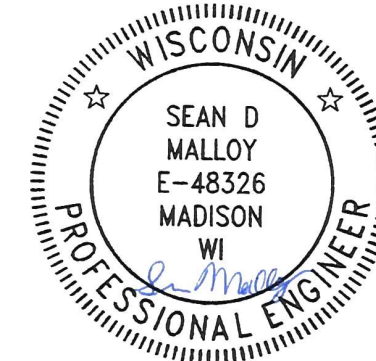
CITY PROJECT NO. 13355
CONTRACT NO. 9003



PROJECT LOCATION

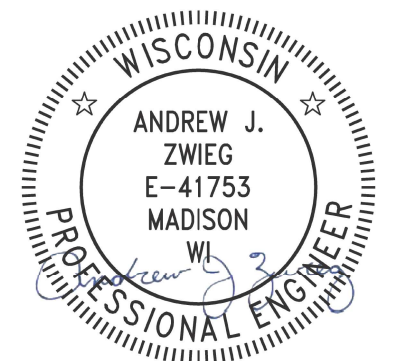
ELEMENT COLLECTIVE STORMWATER MANAGEMENT PLANS (SEE PROJECT NO. 13520, CONTRACT NO. 9036)

PAVEMENT MARKING DESIGNED BY:



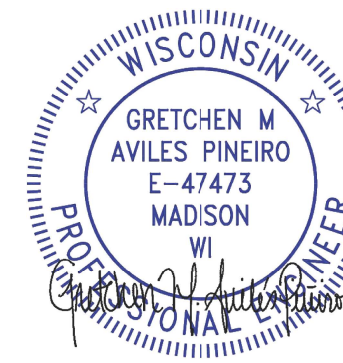
Jul 1, 2022

STREET DESIGNED BY:



Jul 1, 2022

ELECTRICAL DESIGNED BY:



Jul 1, 2022

SANITARY SEWER DESIGNED BY:



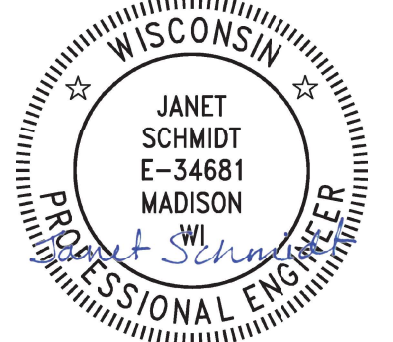
Jul 1, 2022

WATER DESIGNED BY:



Jul 1, 2022

STORM SEWER DESIGNED BY:



Jul 1, 2022

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
— ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
— COMBUSTIBLE FLUIDS	

NOTES:

- ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.
- SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7).

ALL BUS PADS, SIDEWALK ADJACENT DRIVEWAYS, & CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7).

ALL 6-FOOT SIDEWALK & CONCRETE TERRACE SHALL BE CONCRETE SIDEWALK 5-INCH (CS-5).

ALL 12-FOOT SIDEWALK SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7) & CONTROL JOINTS NEED TO BE SAWCUT AND NOT TOOLED.

WHERE CURB & GUTTER AND CONCRETE TERRACE OR CONCRETE DRIVEWAYS JOIN, AN EXPANSION JOINT 1-INCH IN WIDTH MUST BE CONSTRUCTED BETWEEN THE CURB AND CONCRETE.

WHERE CONCRETE SIDEWALK AND CONCRETE TERRACE OR CONCRETE DRIVEWAYS JOIN, AN EXPANSION JOINT 1/2-INCH IN WIDTH MUST BE CONSTRUCTED BETWEEN THE SIDEWALK AND CONCRETE.

3-INCHES OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%.

ALL PAVEMENT IN THE ELEMENT WAY AND CATALYST WAY TABLE TOP INTERSECTION SHALL BE TYPE A PAVEMENT OR 9" CONCRETE PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE WHITNEY WAY AND MINERAL POINT ROAD RIGHTS-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT ON ENDEAVOR LANE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

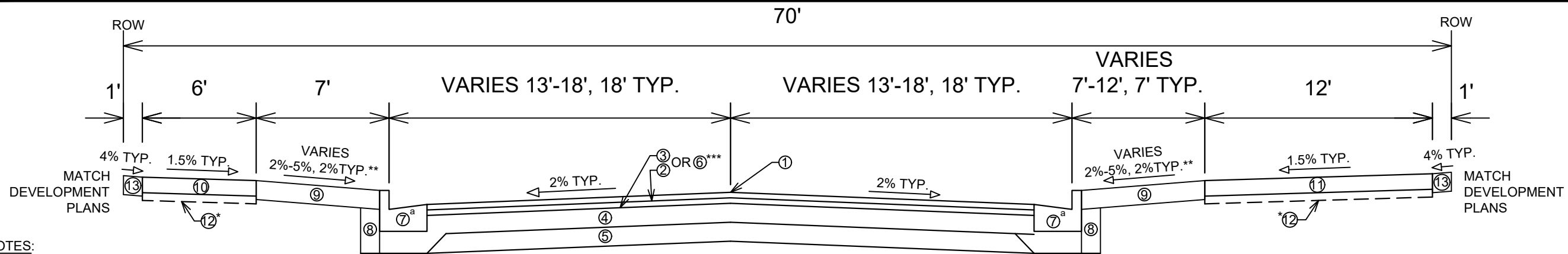
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

REV#	REVISE CONC.	PAVT. LOCATION	DATE	BY
			7/26/23	AJZ
MARK	REVISION	DATE	NTS	
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13355
MADISON, WI
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
9003
CONTRACT NO:
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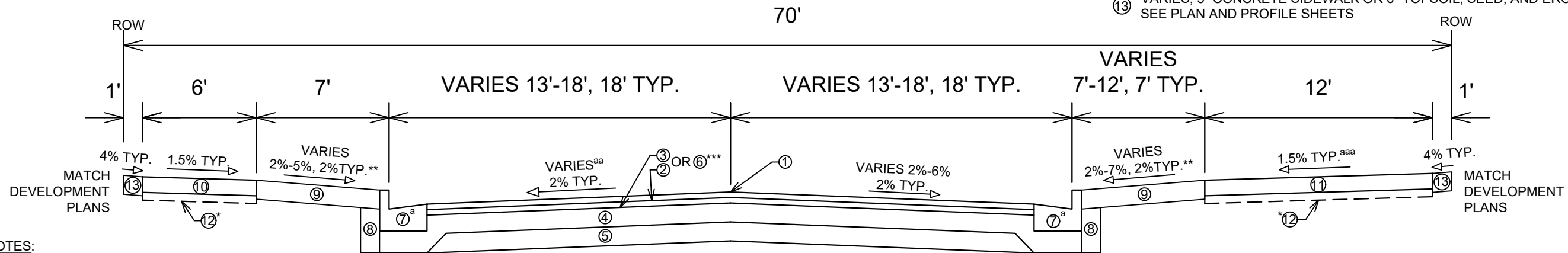


SPECIAL NOTES:

- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS
- THE DEVELOPER IS RESPONSIBLE FOR ALL ASPHALT STREET SURFACE PAVING PER CONTRACT 9037
- *3" OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEED 5%
- **2% IN CONCRETE AND PAVER AREAS OF THE TERRACE
- ***9" CONCRETE PAVEMENT OVER 6.5" GRADATION 2 CRUSHED AGGREGATE BASE COURSE STA 107+57.62 TO STA 108+65.62
- *MOUNTABLE CONCRETE CURB & GUTTER TYPE 'A' STA 107+57.62 TO STA 108+65.62

**TYPICAL SECTION
ELEMENT WAY
STA 101+28.92 TO STA 111+82.63**

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ 9" CONCRETE PAVEMENT, SEE PLAN AND PROFILE SHEETS
- ⑦ CONCRETE CURB & GUTTER TYPE 'A' OR MOUNTABLE CONCRETE CURB & GUTTER TYPE 'A', SEE PLAN AND PROFILE SHEETS
- ⑧ FILL INCIDENTAL TO CURB & GUTTER INSTALLATION
- ⑨ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑩ 5" CONCRETE SIDEWALK
- ⑪ 7" CONCRETE SIDEWALK
- ⑫ 2" SELECT FILL (TO BE USED WHEN SIDEWALK IS IN A FILL CONDITION)
- ⑬ VARIES, 5" CONCRETE SIDEWALK OR 6" TOPSOIL, SEED, AND EROSION MATTING, SEE PLAN AND PROFILE SHEETS

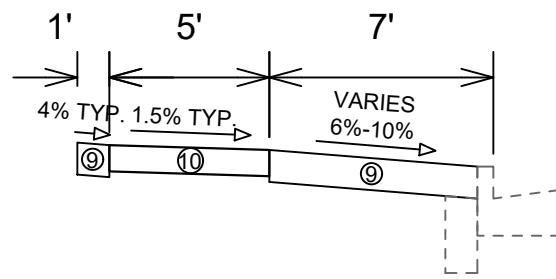


SPECIAL NOTES:

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- **2% IN CONCRETE AND PAVER AREAS OF THE TERRACE
- ***9" CONCRETE PAVEMENT OVER 6.5" GRADATION 2 CRUSHED AGGREGATE BASE COURSE STA 208+25.79 TO STA 209+33.79
- *MOUNTABLE CONCRETE CURB AND GUTTER TYPE 'A' STA 208+25.79 TO STA 209+33.79
- ^{aa}SUPER-ELEVATED LANE STA 209+75.00 TO STA 211+39.72
- ^{aaa}1% CROSS SLOPE FROM STA 210+81.56 TO STA 211+23.35 RT

**TYPICAL SECTION
CATALYST WAY
STA 201+95.07 TO STA 211+39.72**

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ 9" CONCRETE PAVEMENT, SEE PLAN AND PROFILE SHEETS
- ⑦ CONCRETE CURB & GUTTER TYPE 'A' OR MOUNTABLE CONCRETE CURB & GUTTER TYPE 'A', SEE PLAN AND PROFILE SHEETS
- ⑧ FILL INCIDENTAL TO CURB & GUTTER INSTALLATION
- ⑨ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑩ 5" CONCRETE SIDEWALK
- ⑪ 7" CONCRETE SIDEWALK
- ⑫ 2" SELECT FILL (TO BE USED WHEN SIDEWALK IS IN A FILL CONDITION)
- ⑬ *VARIES, 5" CONCRETE SIDEWALK OR 6" TOPSOIL, SEED, AND EROSION MATTING, SEE PLAN AND PROFILE SHEETS



**TYPICAL SECTION
WHITNEY WAY SIDEWALK
STA 300+55.65 TO STA 302+55.90**

SPECIAL NOTES:

- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR SIDEWALK ELEVATIONS

- ⑨ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑩ 5" CONCRETE SIDEWALK

REV#	REVISION	DATE	BY
1	DESIGNED BY: ALZ	7/26/23	ALZ
2	REVISION		
3	REVISION		
4	REVISION		
5	REVISION		
6	REVISION		
7	REVISION		
8	REVISION		
9	REVISION		
10	REVISION		
11	REVISION		
12	REVISION		
13	REVISION		

13355
MADISON, WI
9003
CONTRACT NO:

TYPICAL SECTIONS
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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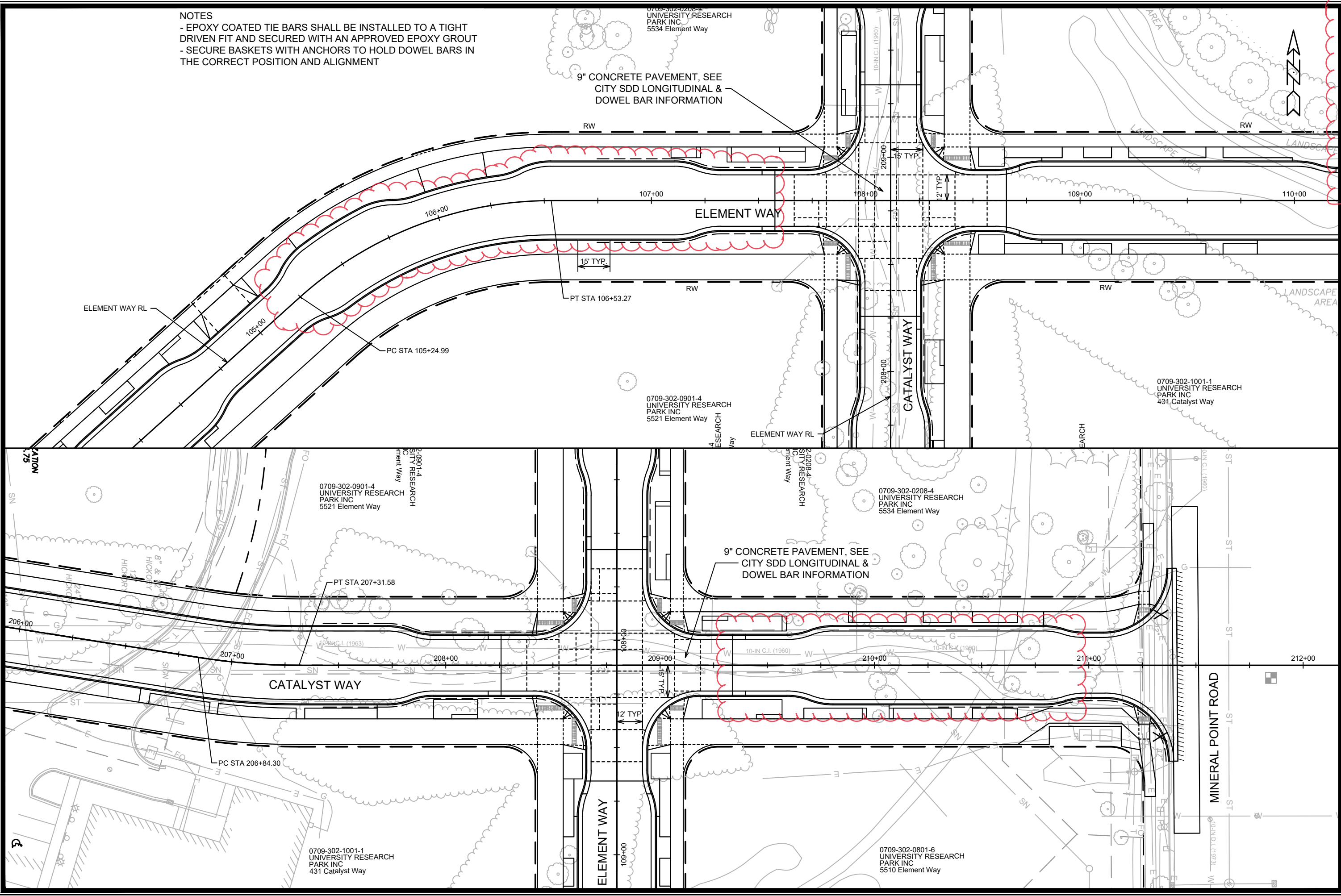


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D-2

NOTES
 - EPOXY COATED TIE BARS SHALL BE INSTALLED TO A TIGHT DRIVEN FIT AND SECURED WITH AN APPROVED EPOXY GROUT
 - SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT

9" CONCRETE PAVEMENT, SEE CITY SDD LONGITUDINAL & DOWEL BAR INFORMATION

9" CONCRETE PAVEMENT, SEE CITY SDD LONGITUDINAL & DOWEL BAR INFORMATION



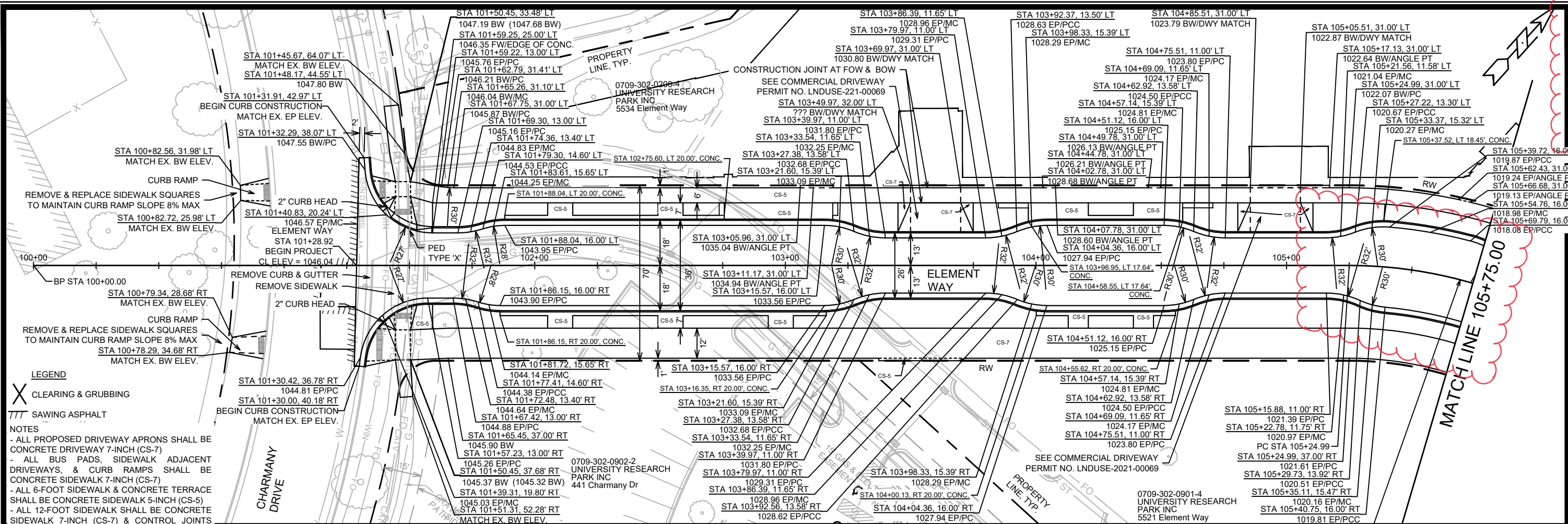
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CONCRETE JOINTING PLAN
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 13355
 MADISON, WI
 CONTRACT NO: 9003

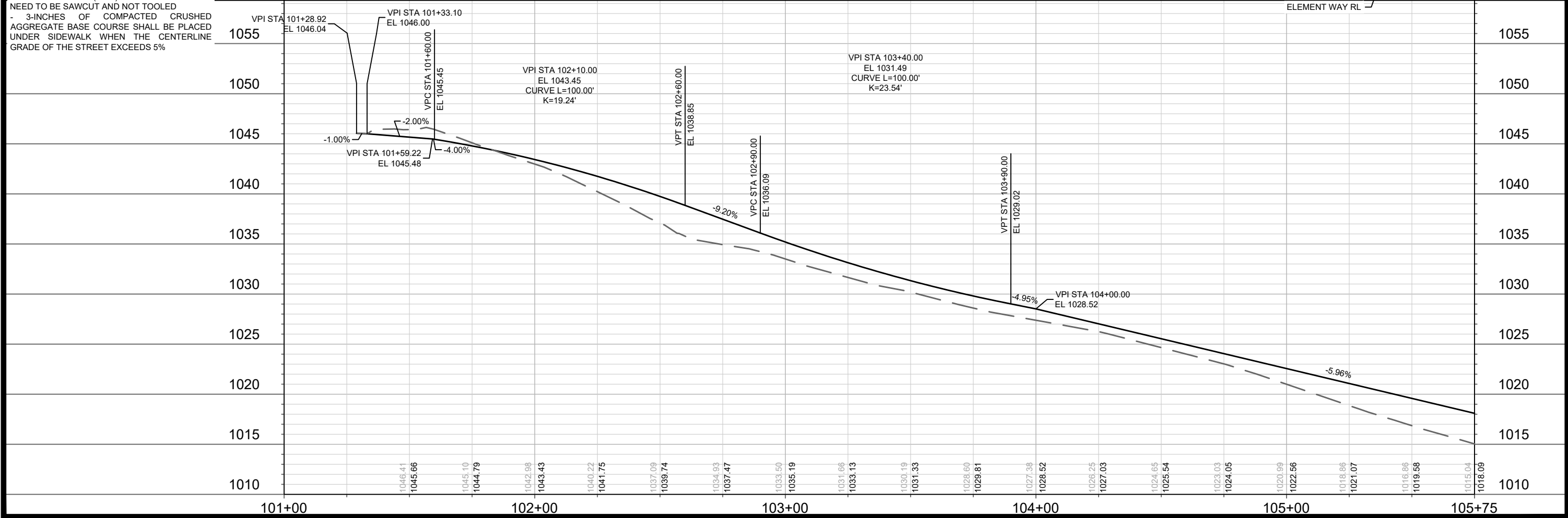
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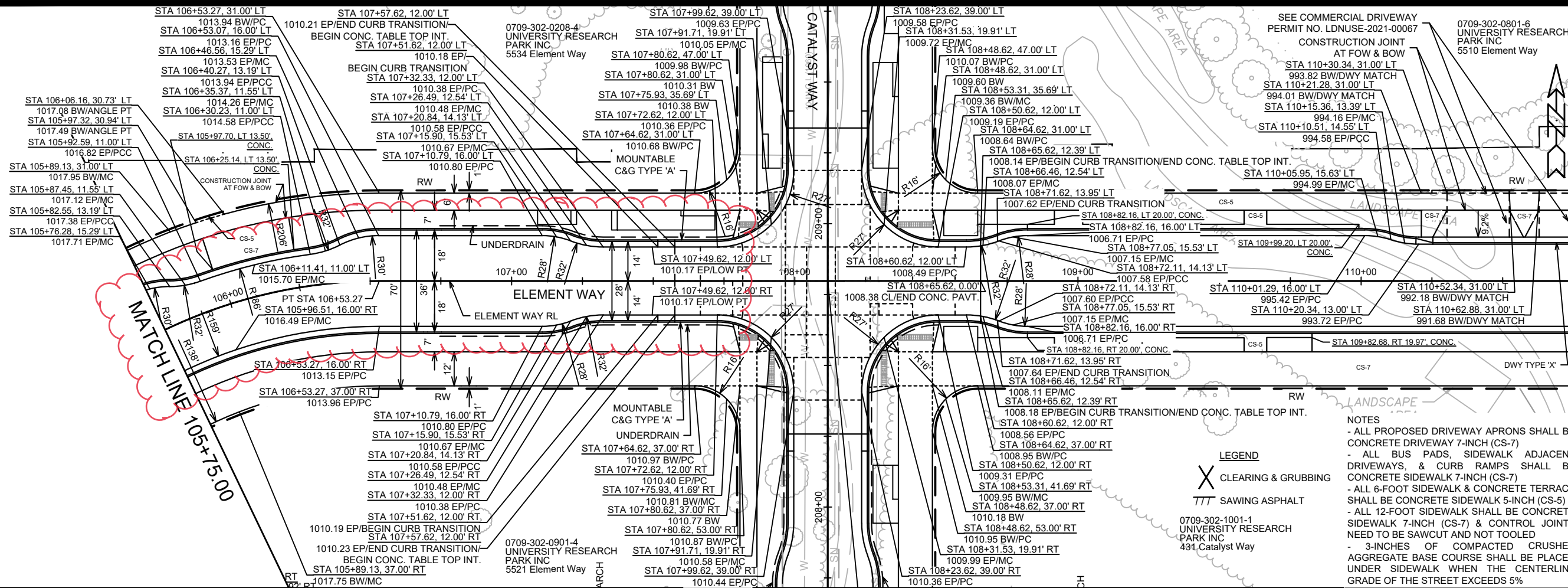
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 D-3



- LEGEND**
- X CLEARING & GRUBBING
 - /// SAWING ASPHALT
- NOTES**
- ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7)
 - ALL BUS PADS, SIDEWALK ADJACENT DRIVEWAYS, & CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7)
 - ALL 6-FOOT SIDEWALK & CONCRETE TERRACE SHALL BE CONCRETE SIDEWALK 5-INCH (CS-5)
 - ALL 12-FOOT SIDEWALK SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7) & CONTROL JOINTS NEED TO BE SAWCUT AND NOT TOOLED
 - 3-INCHES OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%



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ELEMENT WAY PLAN & PROFILE UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE				
13355 P-1				



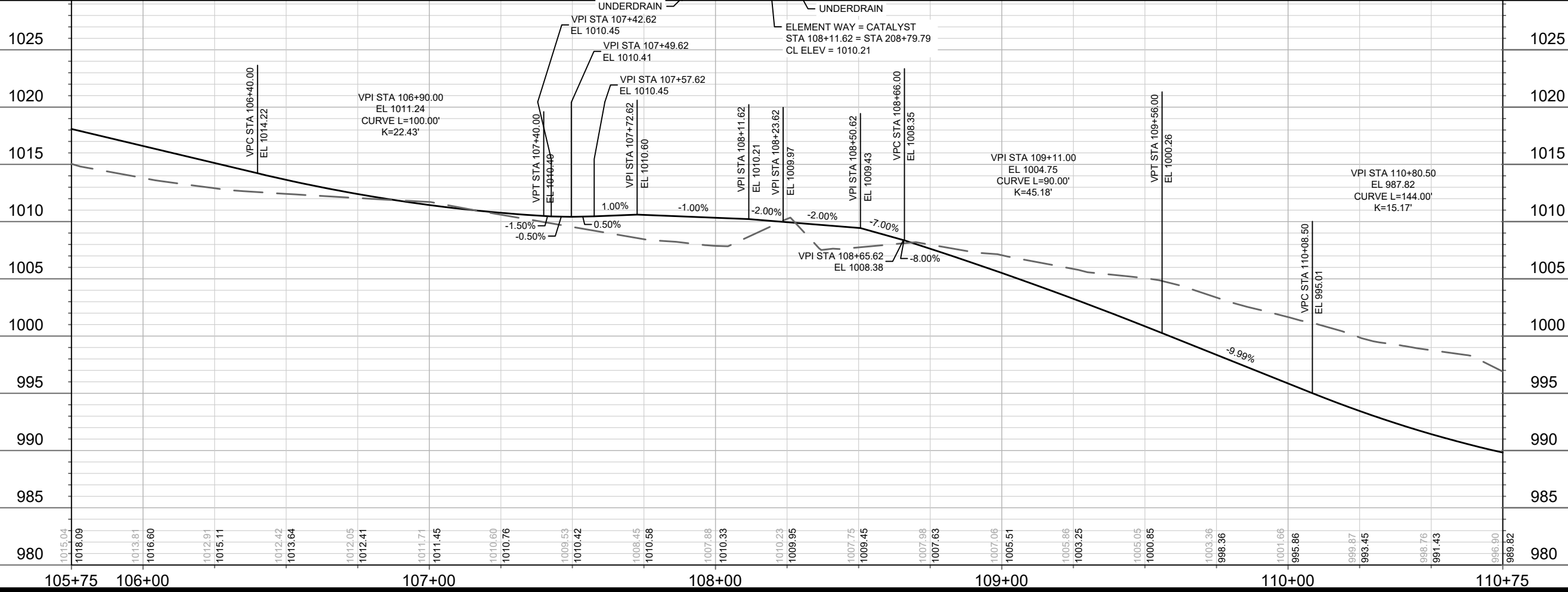
LEGEND

X CLEARING & GRUBBING

TTT SAWING ASPHALT

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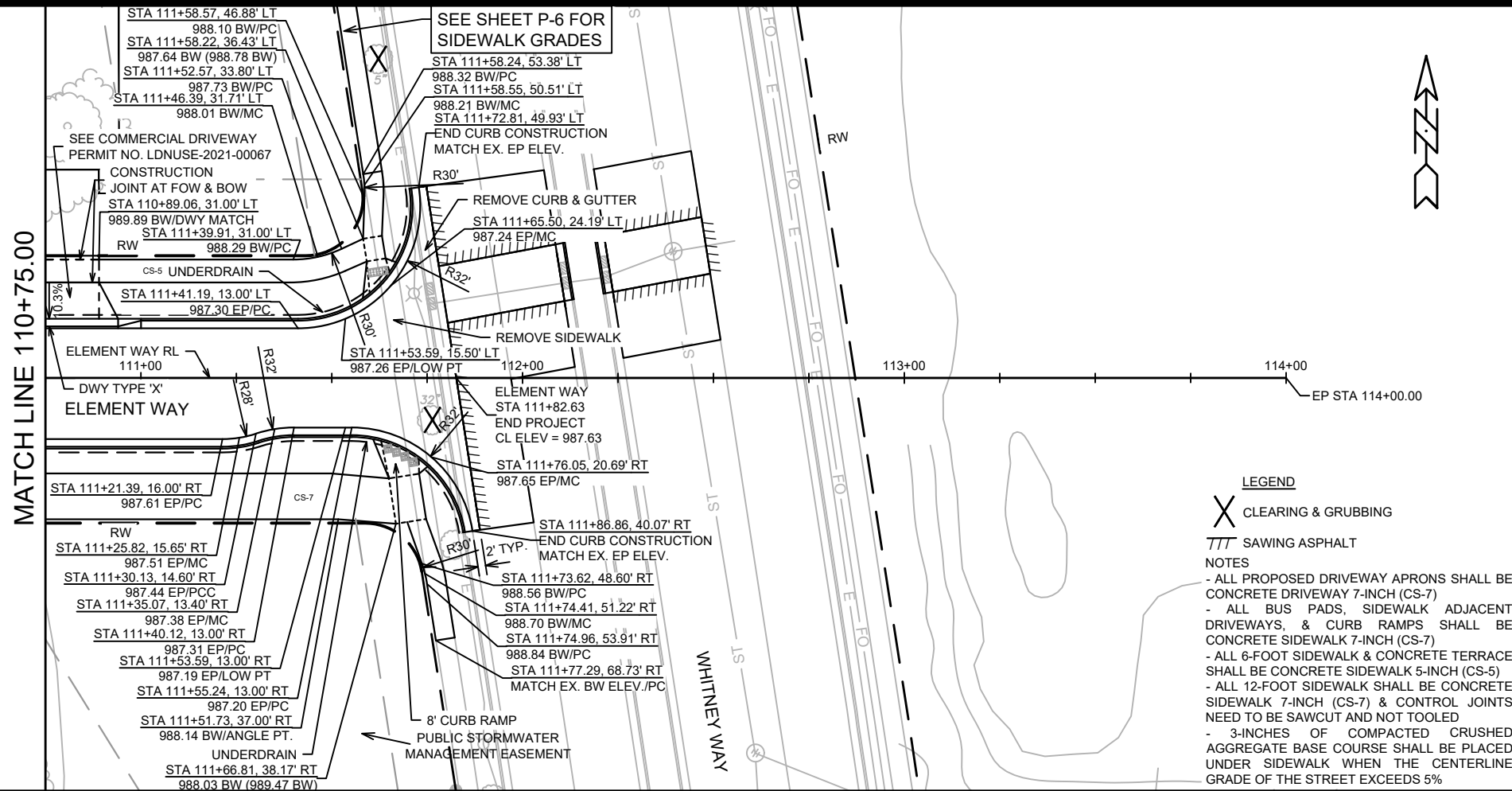
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MADISON, WI
CONTRACT NO: 9003

ELEMENT WAY PLAN & PROFILE
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

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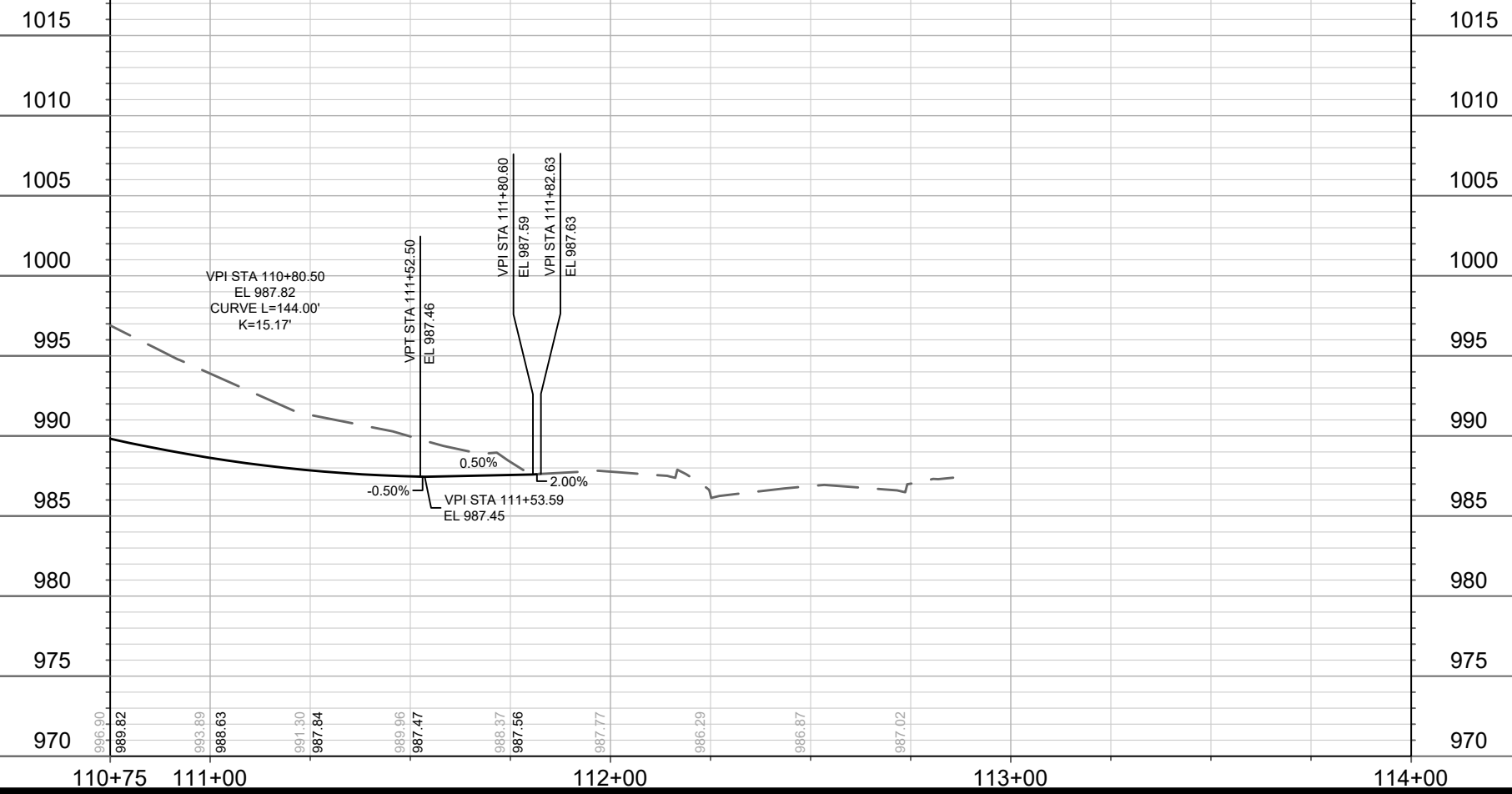
LEGEND

X CLEARING & GRUBBING

/// SAWING ASPHALT

NOTES

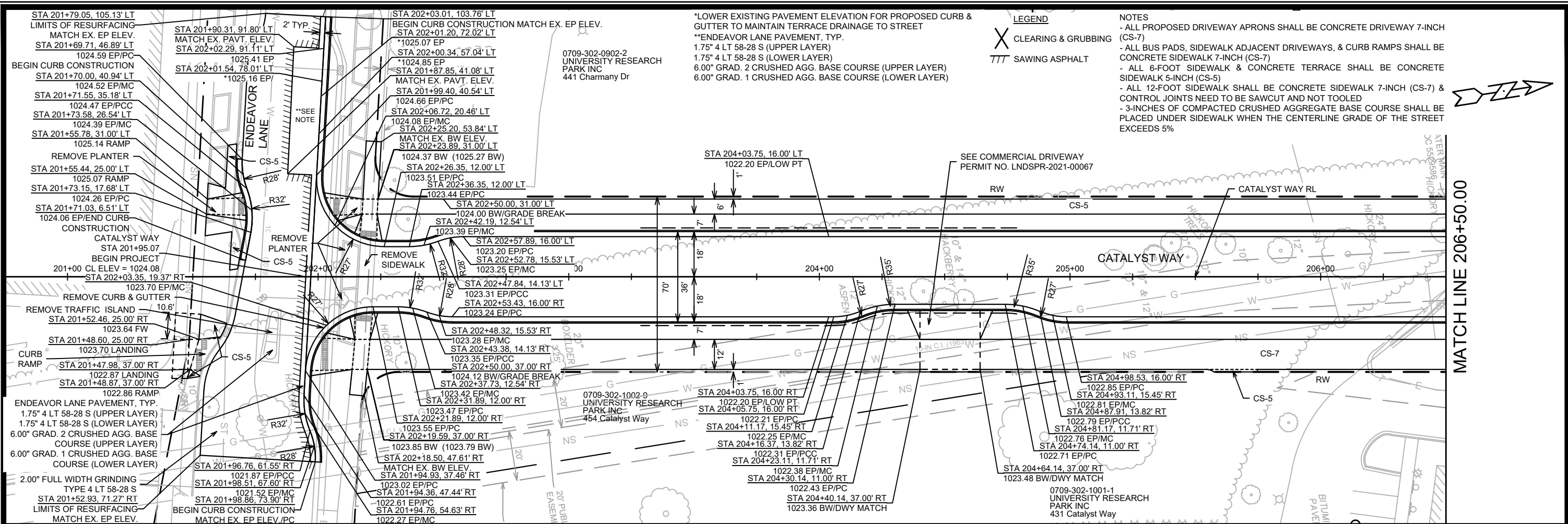
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DATE: 6/07/2022 3:40 PM	
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 MADISON, WI
 CONTRACT NO: 9003
 ELEMENT WAY PLAN & PROFILE
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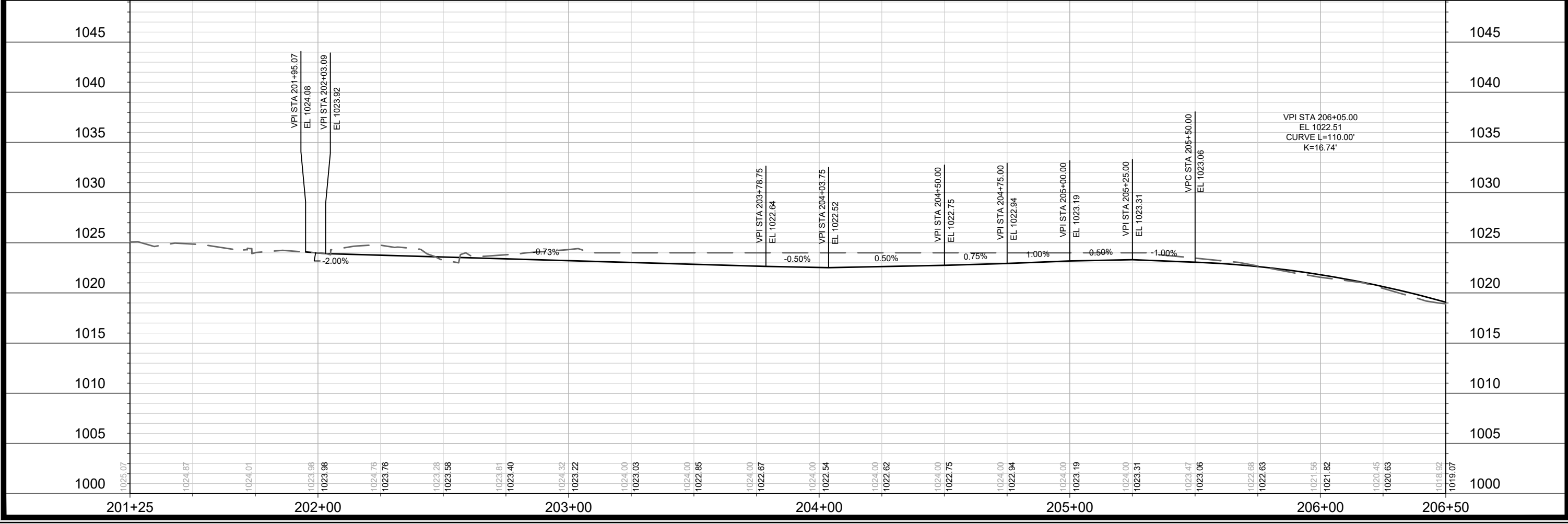
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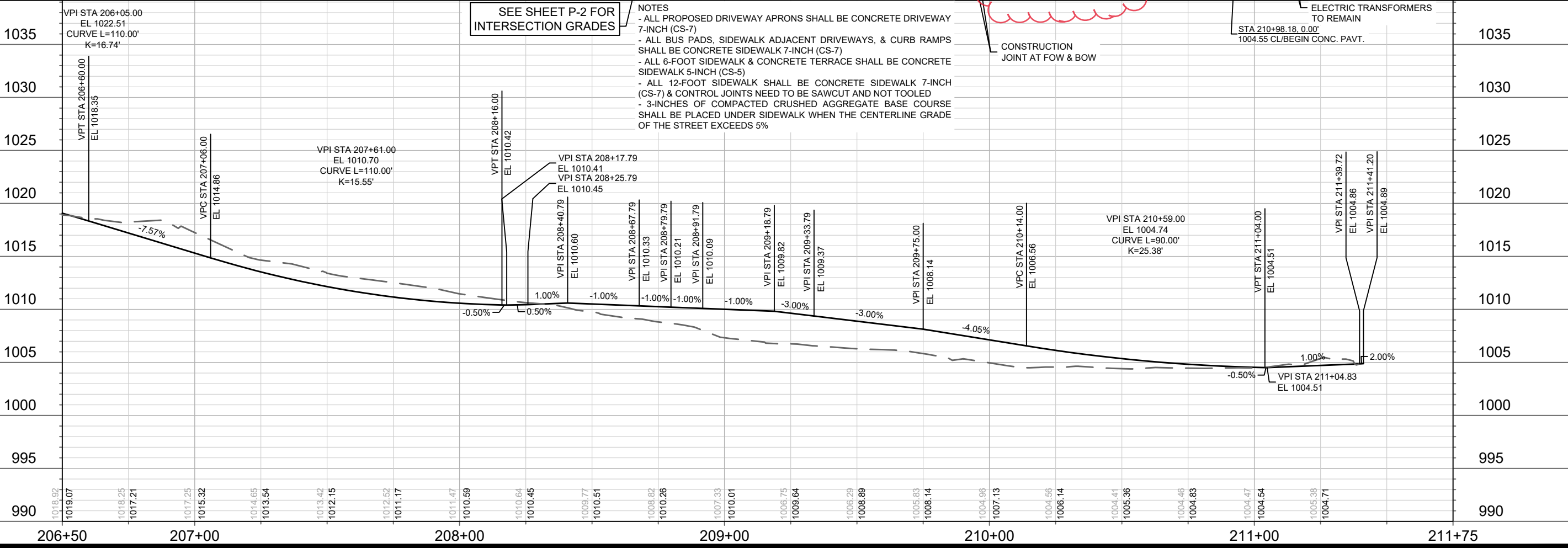
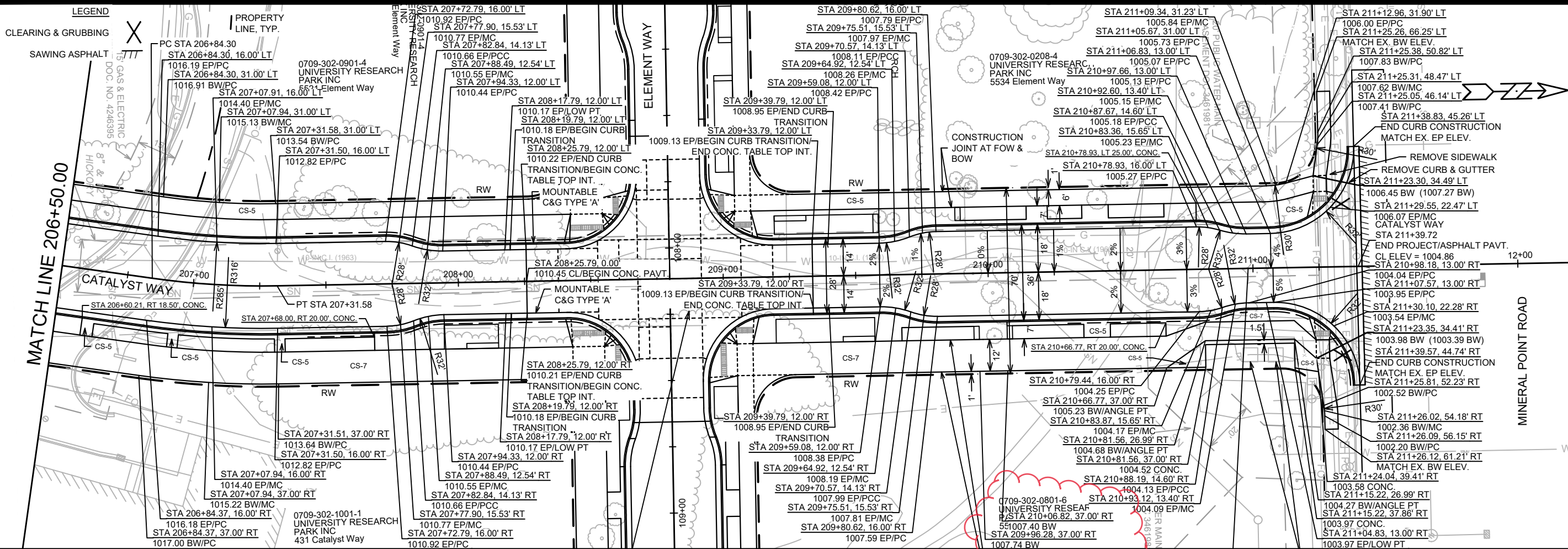
*LOWER EXISTING PAVEMENT ELEVATION FOR PROPOSED CURB & GUTTER TO MAINTAIN TERRACE DRAINAGE TO STREET
 **ENDEAVOR LANE PAVEMENT, TYP.
 1.75" 4 LT 58-28 S (UPPER LAYER)
 1.75" 4 LT 58-28 S (LOWER LAYER)
 6.00" GRAD. 2 CRUSHED AGG. BASE COURSE (UPPER LAYER)
 6.00" GRAD. 1 CRUSHED AGG. BASE COURSE (LOWER LAYER)

LEGEND
 X CLEARING & GRUBBING
 TTT SAWING ASPHALT

NOTES
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CATALYST WAY PLAN & PROFILE			
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P-4			



SEE SHEET P-2 FOR INTERSECTION GRADES

- NOTES
- ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7)
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 - 3-INCHES OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%

CONSTRUCTION JOINT AT FOW & BOW

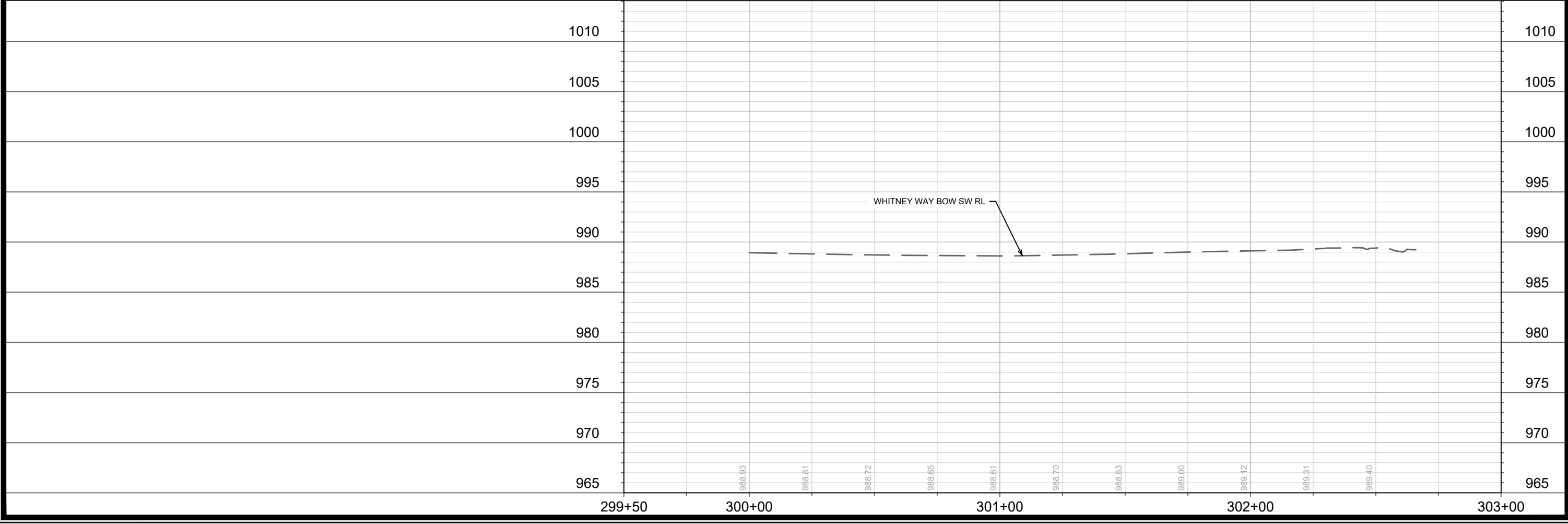
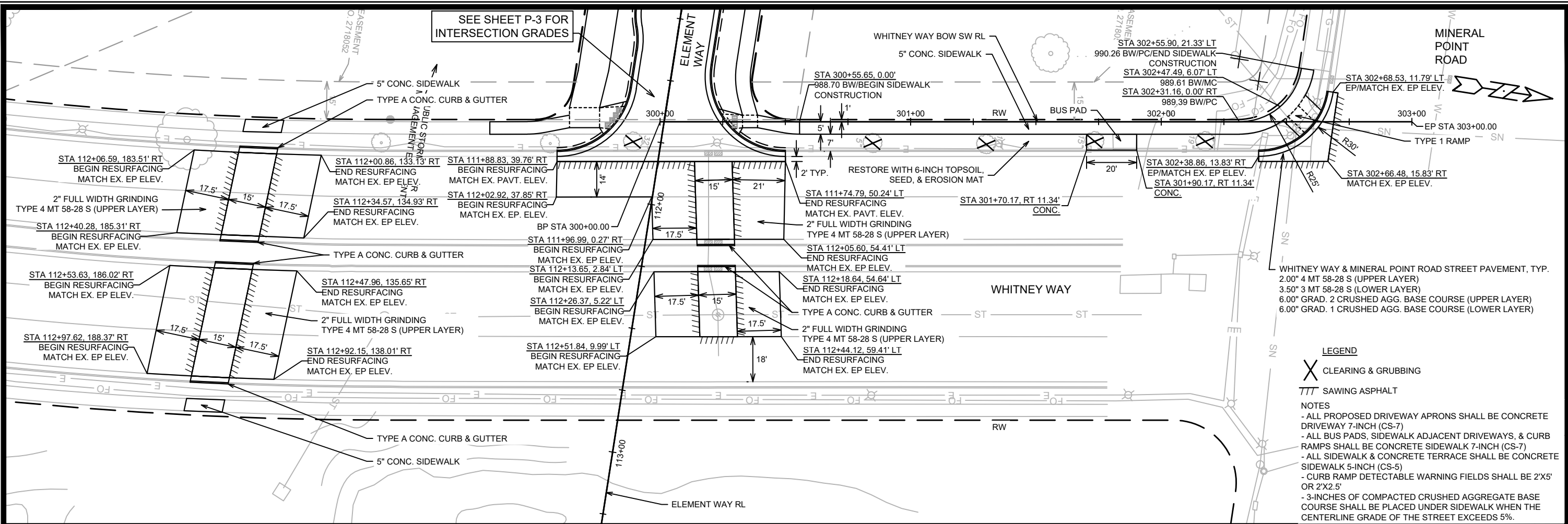
ELECTRIC TRANSFORMERS TO REMAIN
STA 210+98.18, 0.00'
1004.55 CL/BEGIN CONC. PAVT.

REV#	REVISION	DATE	BY
REV4	REVISE CONC. PAVT. LOCATION	7/26/23	AJZ
REV5	REVISE SIDEWALK	11/16/23	AJZ
MARK	REVISION		
MARK	DESIGNED BY: AJZ	Date: 11/15/2023 11:55 AM	Scale: 1" = 40'
13355		P-5	

13355
MADISON, WI
CONTRACT NO.: 9003

CATALYST WAY PLAN & PROFILE
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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13355
P-5



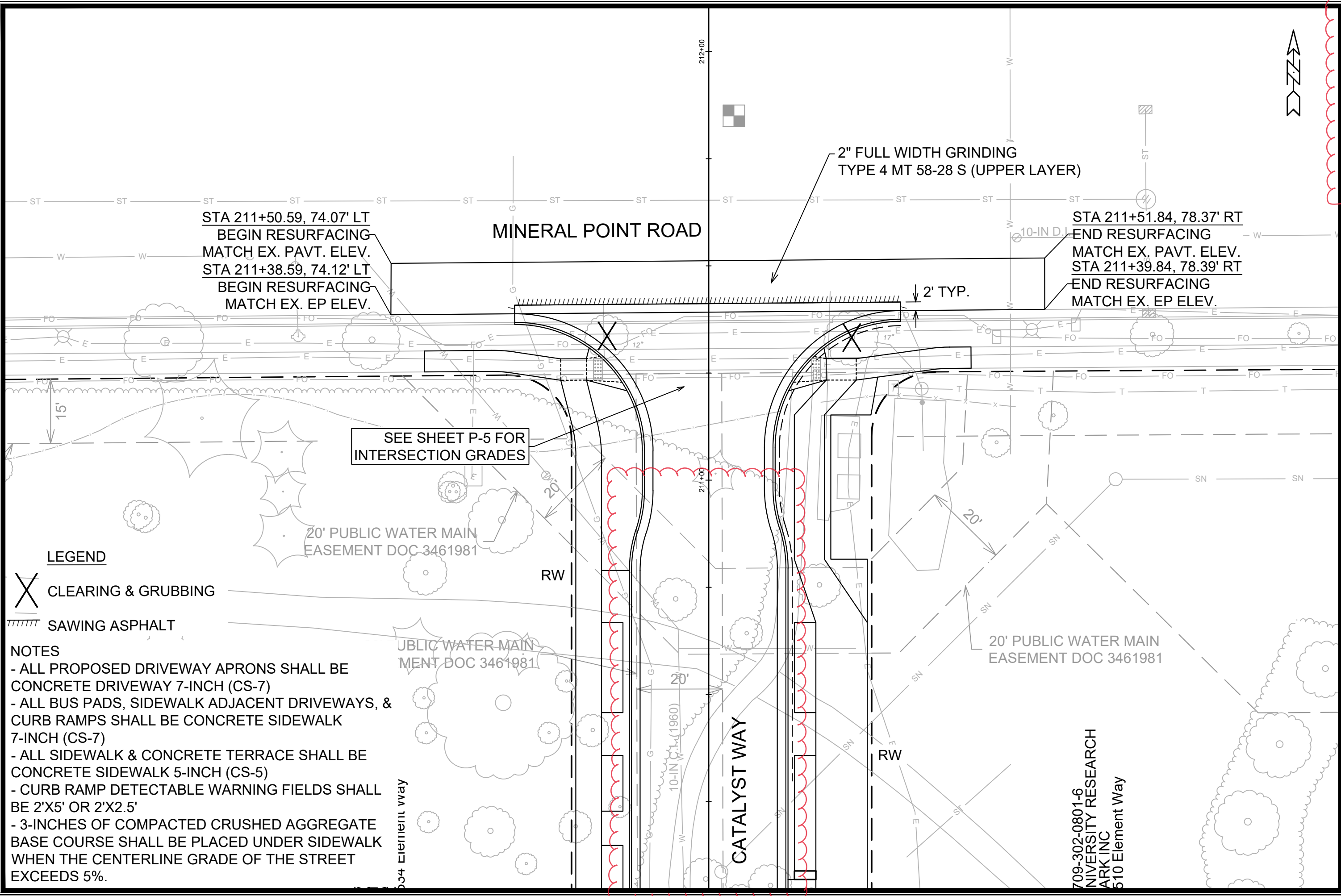
DATE	BY	Scale: 1" = 40'	P-6
REVISION	DATE		
MARK	DESIGNED BY: ALZ	13355	

13355
MADISON, WI
CONTRACT NO.: 9003

WHITNEY WAY SIDEWALK PLAN & PROFILE; PAVEMENT REPLACEMENT
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

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13355
P-6



STA 211+50.59, 74.07' LT
 BEGIN RESURFACING
 MATCH EX. PAVT. ELEV.
 STA 211+38.59, 74.12' LT
 BEGIN RESURFACING
 MATCH EX. EP ELEV.

MINERAL POINT ROAD

2" FULL WIDTH GRINDING
 TYPE 4 MT 58-28 S (UPPER LAYER)

STA 211+51.84, 78.37' RT
 END RESURFACING
 MATCH EX. PAVT. ELEV.
 STA 211+39.84, 78.39' RT
 END RESURFACING
 MATCH EX. EP ELEV.

SEE SHEET P-5 FOR
 INTERSECTION GRADES

20' PUBLIC WATER MAIN
 EASEMENT DOC-3461981

20' PUBLIC WATER MAIN
 EASEMENT DOC 3461981

20' PUBLIC WATER MAIN
 EASEMENT DOC 3461981

LEGEND

X CLEARING & GRUBBING

SAWING ASPHALT

NOTES

- ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7)
- ALL BUS PADS, SIDEWALK ADJACENT DRIVEWAYS, & CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7)
- ALL SIDEWALK & CONCRETE TERRACE SHALL BE CONCRETE SIDEWALK 5-INCH (CS-5)
- CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5' OR 2'X2.5'
- 3-INCHES OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%.

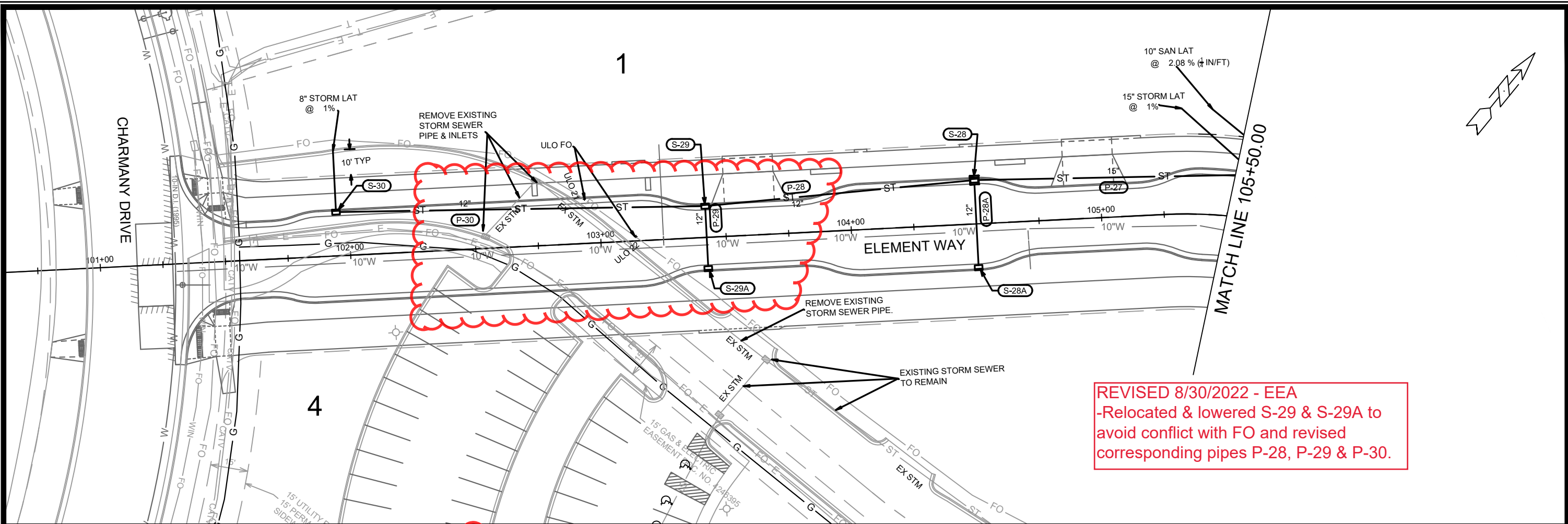
REV#	DATE	BY
1	7/26/23	AJZ
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13355
 MADISON, WI
 CONTRACT NO: 9003

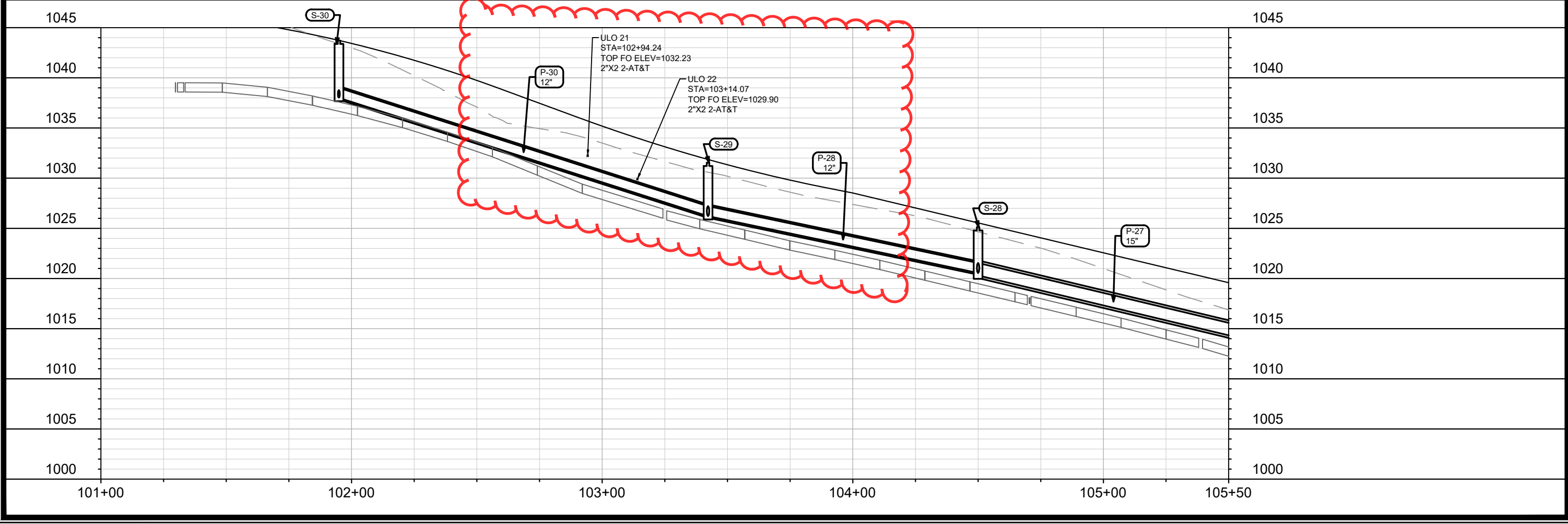
MINERAL POINT ROAD PAVEMENT REPLACEMENT
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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709-302-0801-6
 UNIVERSITY RESEARCH
 PARK INC
 610 Element Way

13355
 P-7



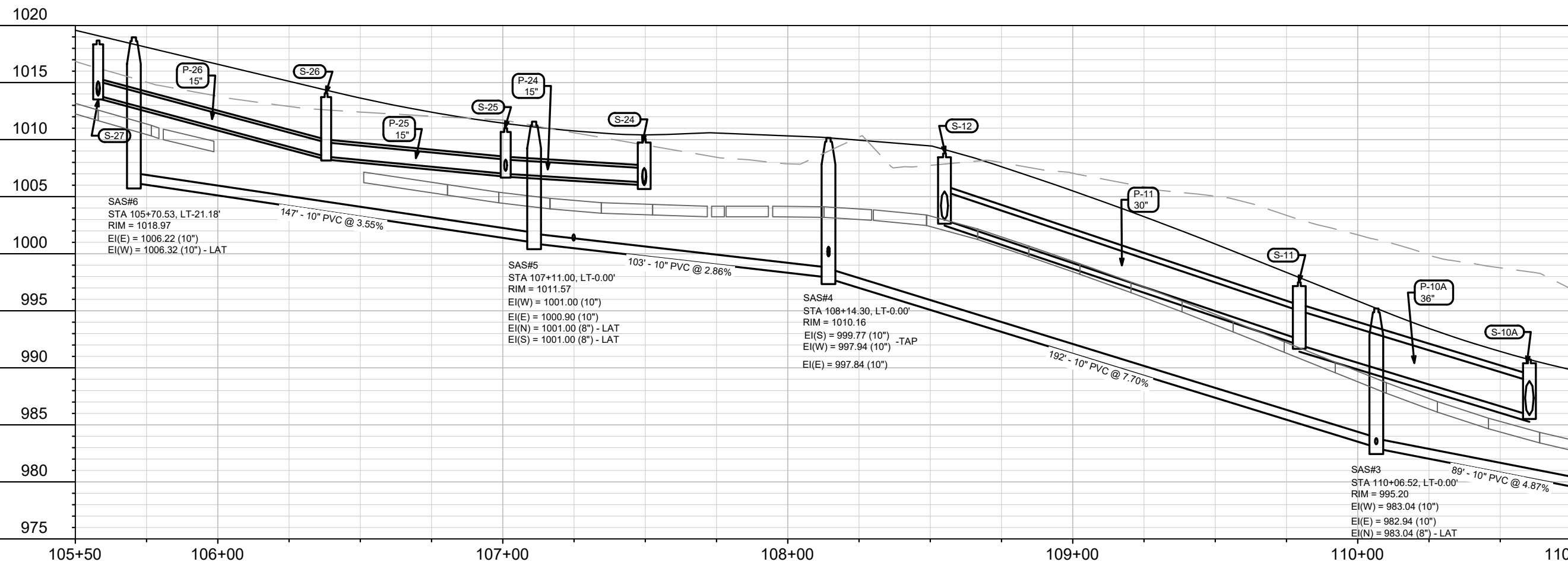
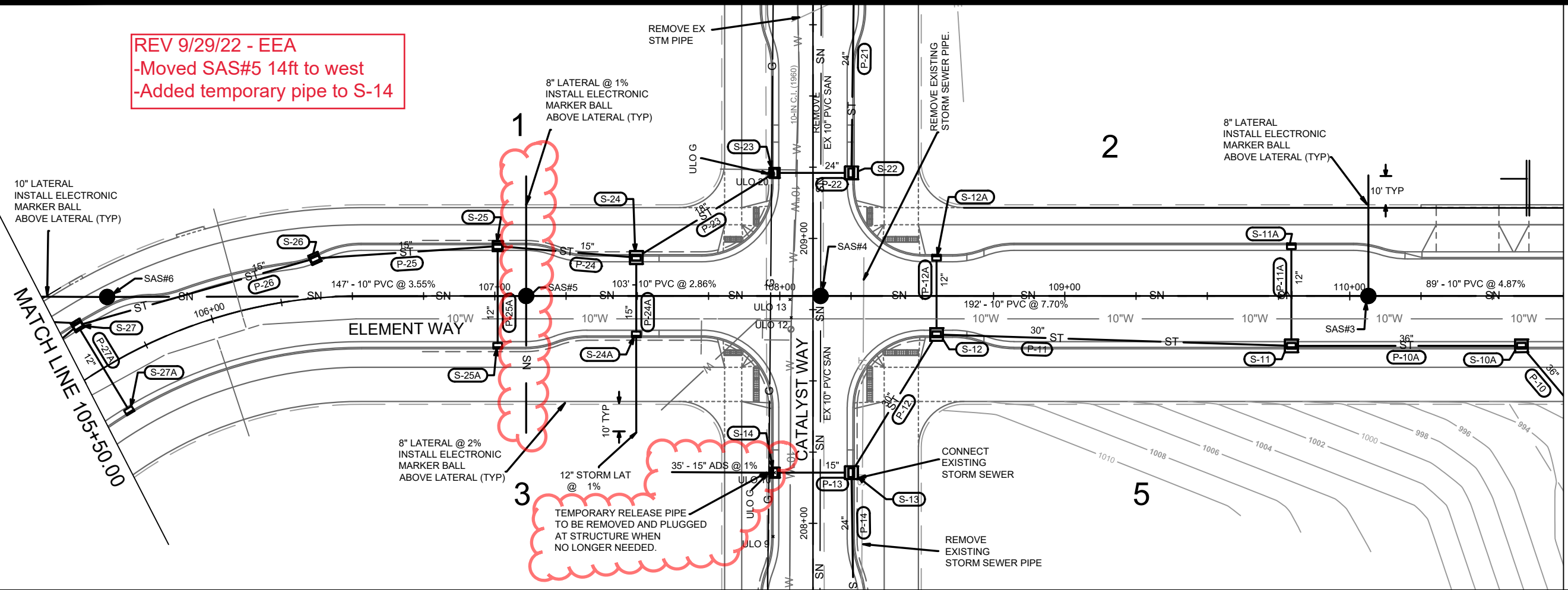
REVISED 8/30/2022 - EEA
 -Relocated & lowered S-29 & S-29A to avoid conflict with FO and revised corresponding pipes P-28, P-29 & P-30.



13355	13355	13355	U-1
MADISON, WI	REVISION	DATE	BY
9003	Designed By: EEA	Date: 9/17/2022 3:30 PM	Scale: 1" = 40'
ELEMENT WAY - UTILITIES PLAN & PROFILE	CONTRACT NO:		
UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT	13355		
M:\DESIGN\Projects\13355\CAD\Sewers\13355SWR-PipeNetwork.dwg	U-1		



REV 9/29/22 - EEA
 -Moved SAS#5 14ft to west
 -Added temporary pipe to S-14



MATCH LINE 110+75.00

MATCH LINE 105+50.00



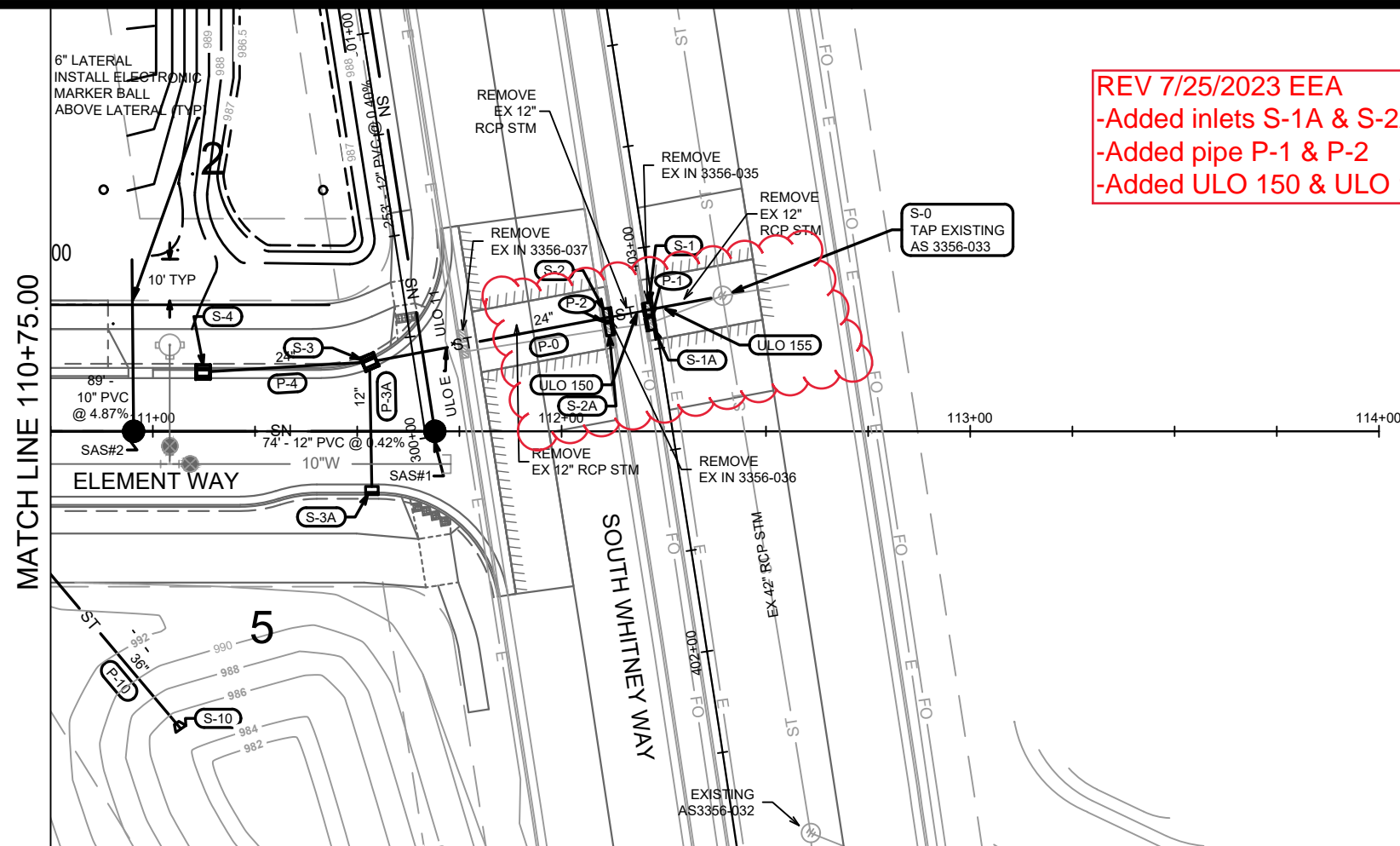
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U-2			

13355
 MADISON, WI
 CONTRACT NO: 9003

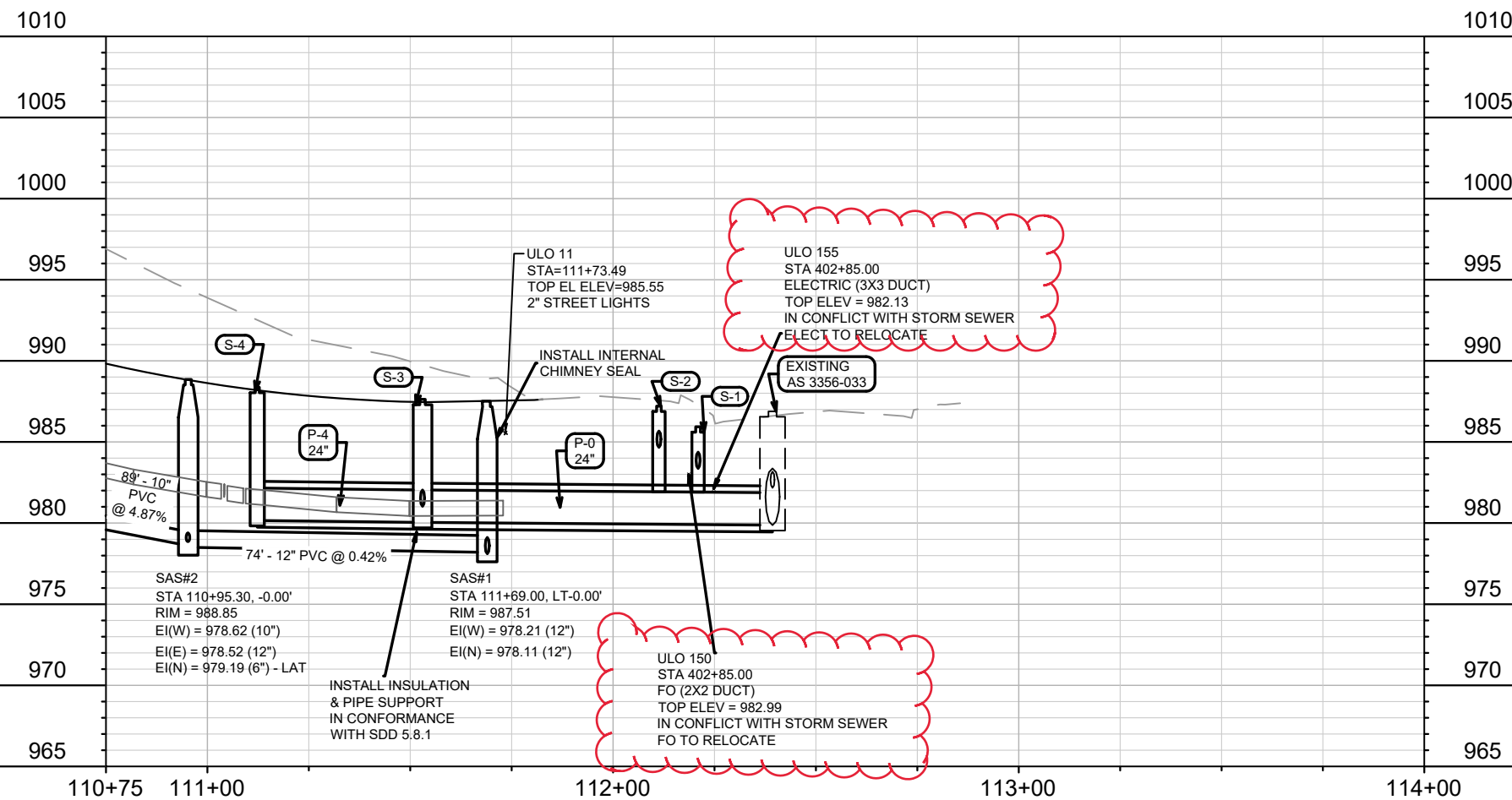
ELEMENT WAY - UTILITIES PLAN & PROFILE
 UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT
 M:\DESIGN\Projects\13355\CAD\Sewers\13355SWR-PipeNetwork.dwg



13355
 U-2



REV 7/25/2023 EEA
 -Added inlets S-1A & S-2A
 -Added pipe P-1 & P-2
 -Added ULO 150 & ULO 155



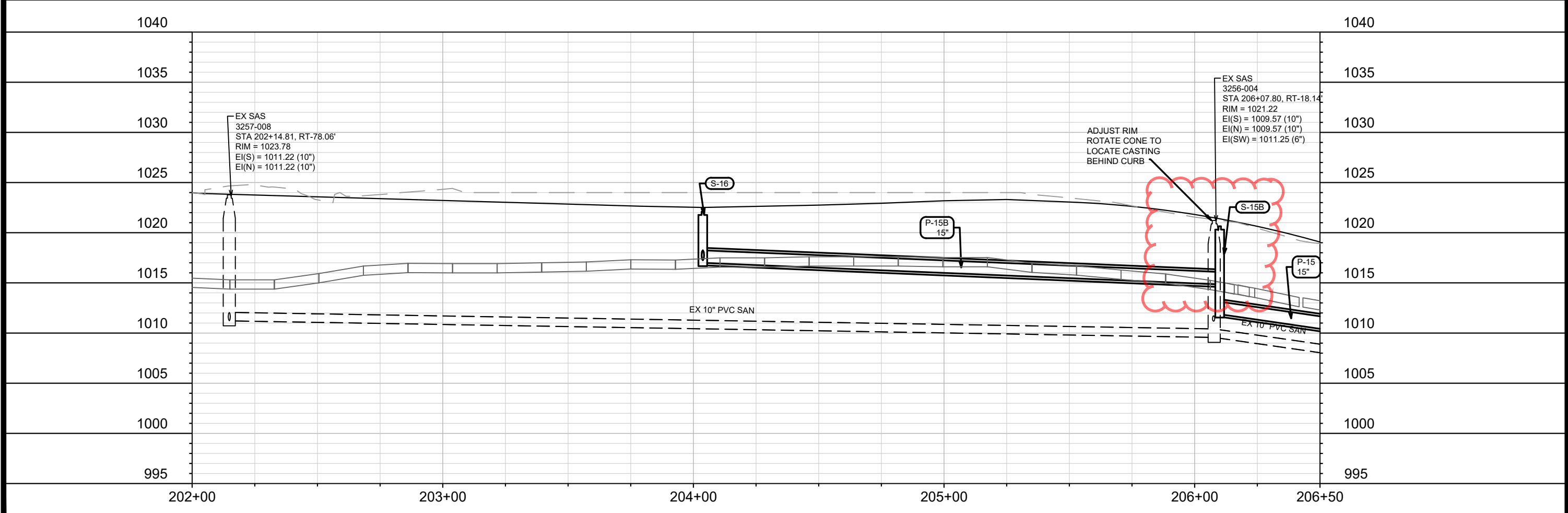
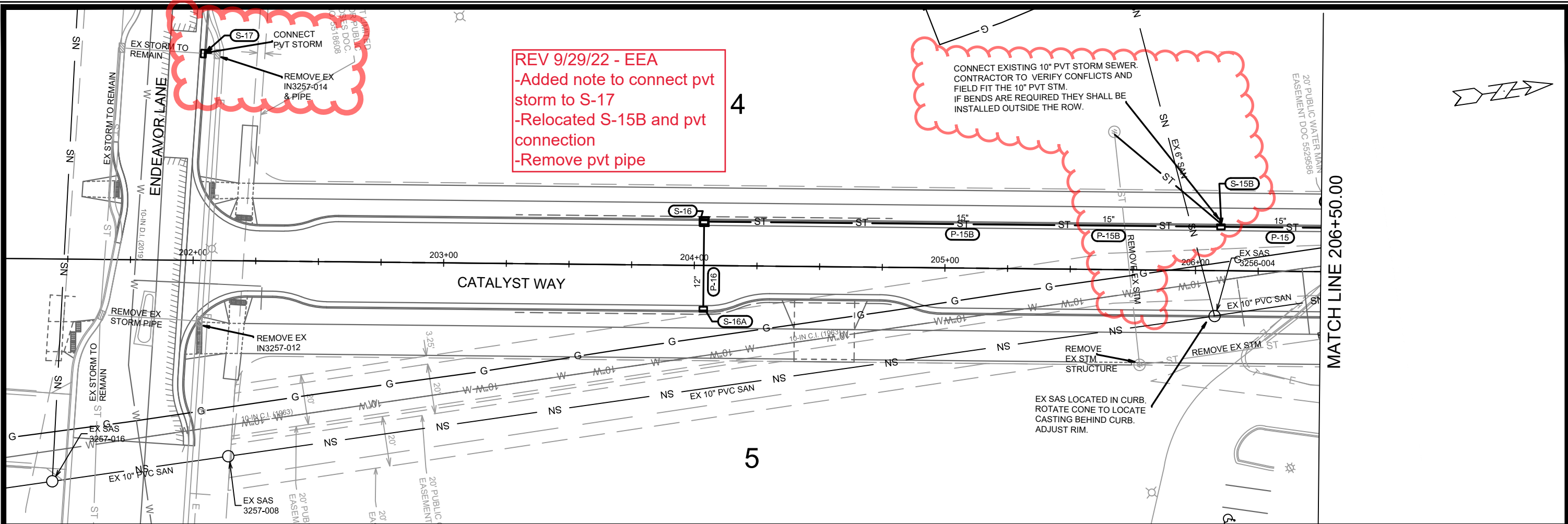
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U-3			

13355
 MADISON, WI
 CONTRACT NO: 9003

ELEMENT WAY - UTILITIES PLAN & PROFILE
 UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT
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13355
 U-3



REV 9/29/22 - EEA
 -Added note to connect pvt storm to S-17
 -Relocated S-15B and pvt connection
 -Remove pvt pipe

CONNECT EXISTING 10" PVT STORM SEWER. CONTRACTOR TO VERIFY CONFLICTS AND FIELD FIT THE 10" PVT STM. IF BENDS ARE REQUIRED THEY SHALL BE INSTALLED OUTSIDE THE ROW.

EX SAS LOCATED IN CURB. ROTATE CONE TO LOCATE CASTING BEHIND CURB. ADJUST RIM.

EX SAS 3257-008
 STA 202+14.81, RT-78.06'
 RIM = 1023.78
 EI(S) = 1011.22 (10")
 EI(N) = 1011.22 (10")

EX SAS 3256-004
 STA 206+07.80, RT-18.14'
 RIM = 1021.22
 EI(S) = 1009.57 (10")
 EI(N) = 1009.57 (10")
 EI(SW) = 1011.25 (6")

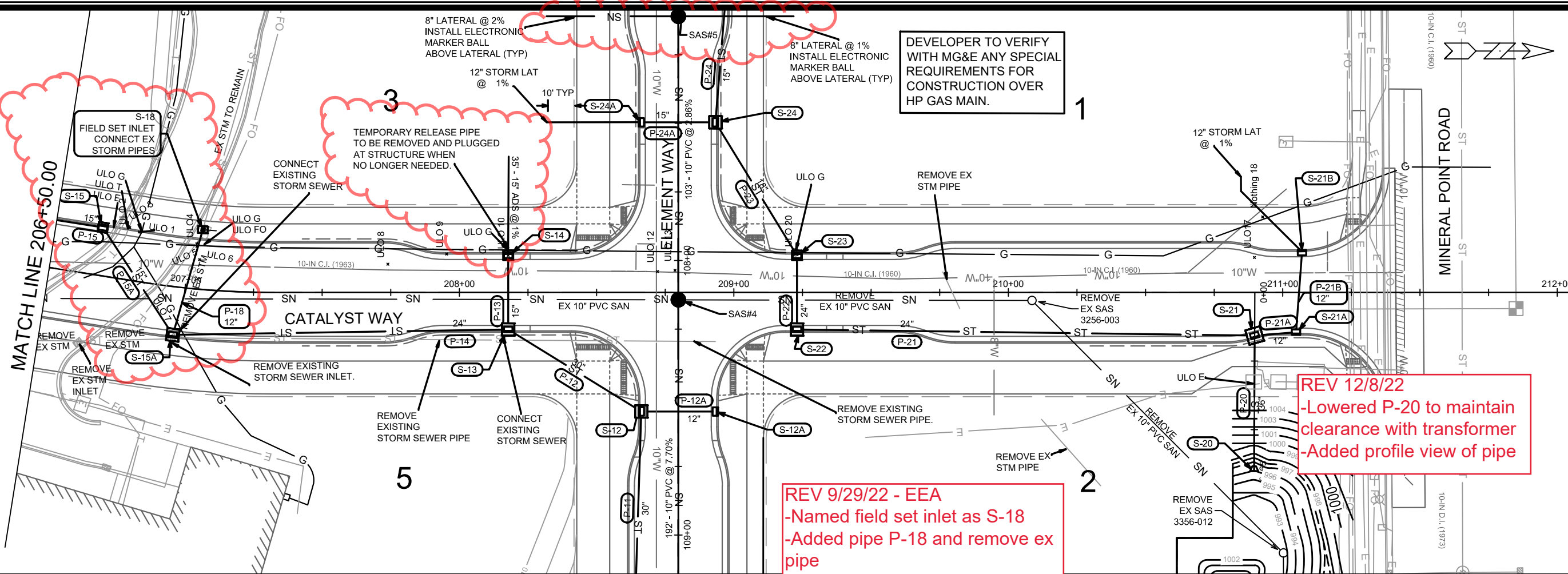
ADJUST RIM
 ROTATE CONE TO
 LOCATE CASTING
 BEHIND CURB

REV3	STORM UPDATE	9/29/22	EEA
REV2	STORM CHANGES	9/23/22	EEA
REV1	U.L.O & STORM UPDATES	8/30/22	EEA
MARK	REVISION	DATE	BY
Designed By: ALZ		Date: 12/8/2022 4:00 PM	Scale: 1" = 40'
13355		U-4	

13355
 MADISON, WI
 9003
 CONTRACT NO:

CATALYST WAY - UTILITIES PLAN & PROFILE
 UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT
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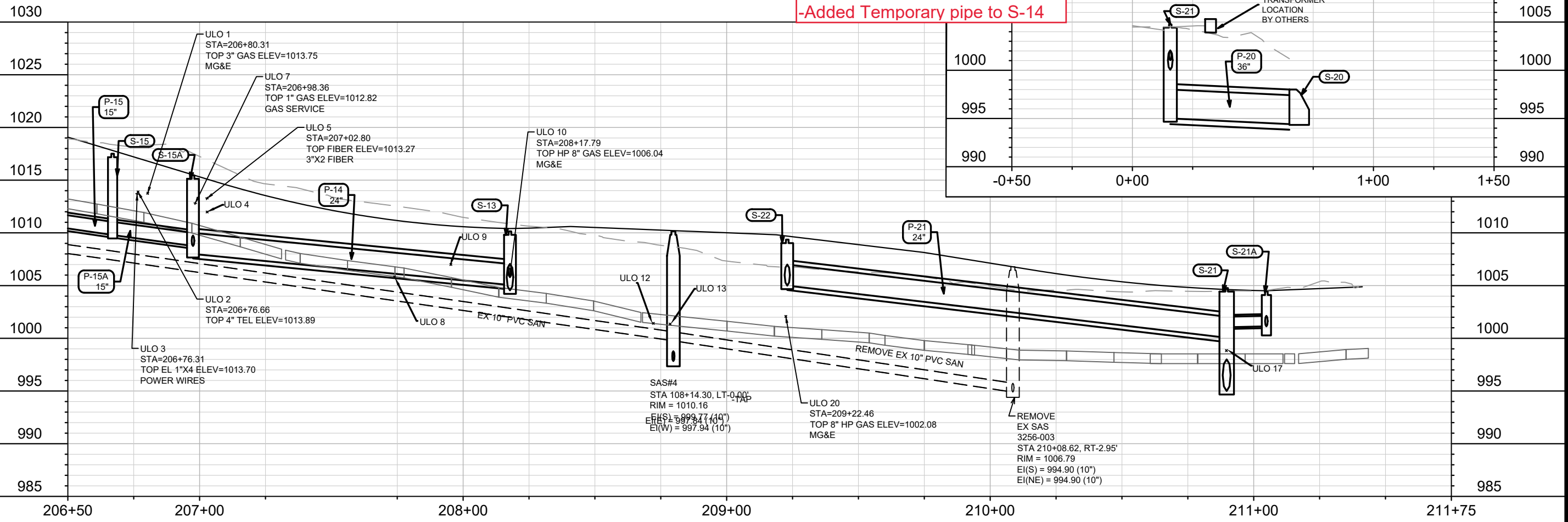
13355
 U-4



DEVELOPER TO VERIFY WITH MG&E ANY SPECIAL REQUIREMENTS FOR CONSTRUCTION OVER HP GAS MAIN.

REV 12/8/22
 -Lowered P-20 to maintain clearance with transformer
 -Added profile view of pipe

REV 9/29/22 - EEA
 -Named field set inlet as S-18
 -Added pipe P-18 and remove ex pipe
 -Moved SAS#5 14ft to west
 -Added Temporary pipe to S-14



206+50 207+00 208+00 209+00 210+00 211+00 211+75

REV3	STORM & SANITARY CHANGES	EEA	9/29/22	U-5
REV2	STORM CHANGES	EEA	9/23/22	
REV1	ULO & STORM UPDATES	EEA	8/30/22	
MARK	REVISION	DATE	BY	

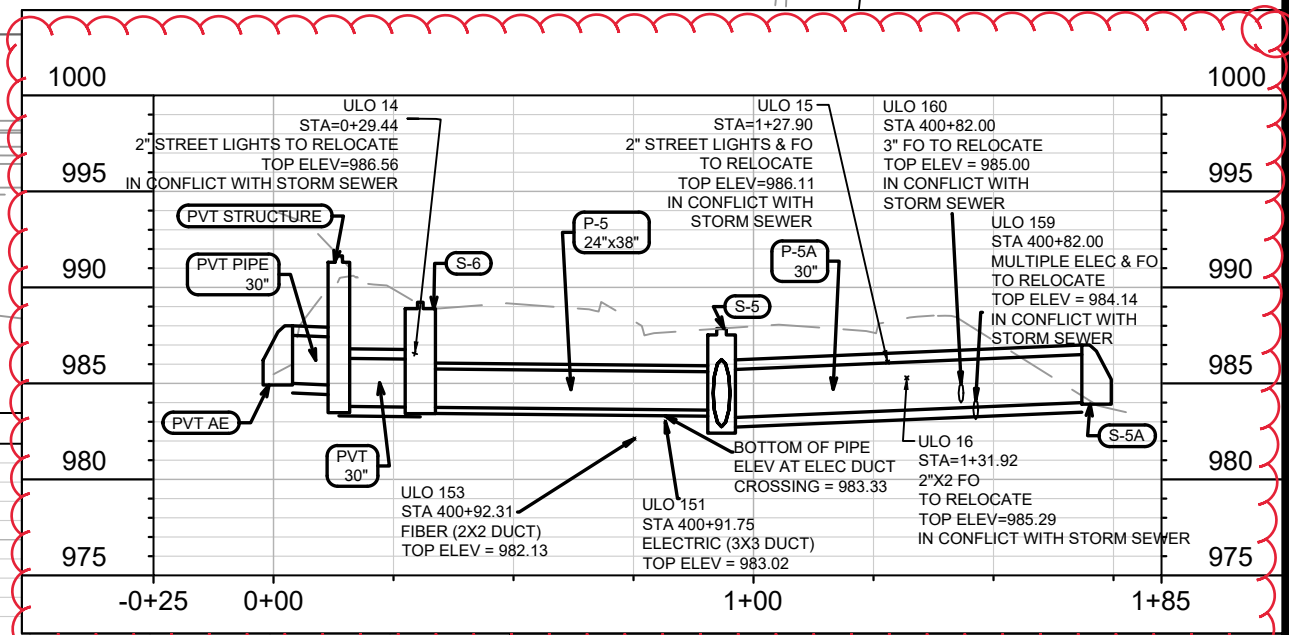
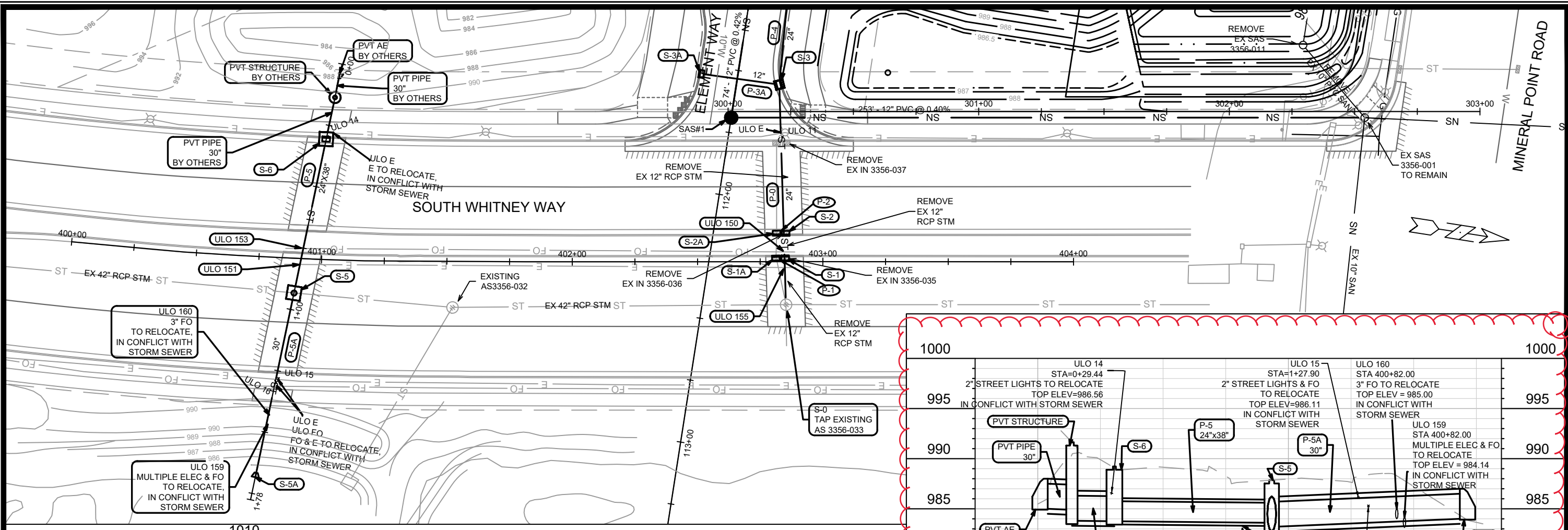
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 Designed By: ALZ Date: 12/8/2022 3:58 PM

13355
 MADISON, WI
 CONTRACT NO: 9003

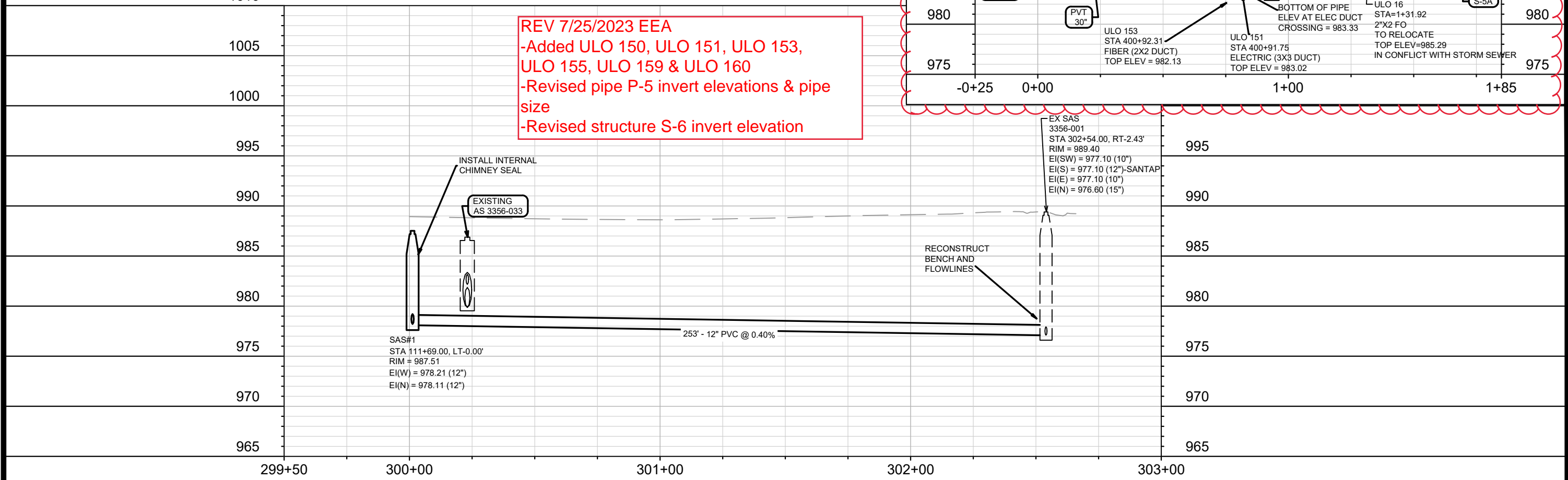
CATALYST WAY - UTILITIES PLAN & PROFILE
 UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT
 M:\DESIGN\Projects\13355\CAD\Sewer\13355SWR-PipeNetwork.dwg



13355
 U-5



REV 7/25/2023 EEA
 -Added ULO 150, ULO 151, ULO 153,
 ULO 155, ULO 159 & ULO 160
 -Revised pipe P-5 invert elevations & pipe
 size
 -Revised structure S-6 invert elevation



MARK	REVISION	DATE	BY
13355	U-6	7/17/2023 6:57 AM	

13355
 MADISON, WI
 CONTRACT NO: 9003

WHITNEY WAY - SANITARY SEWER PLAN & PROFILE
 UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT
 M:\DESIGN\Projects\13355\CAD\Sewers\13355SWR-PipeNetwork.dwg



13355
 U-6

SANITARY SEWER SCHEDULE

* REVISED 9/29/2022 - EEA

UNIVERSITY RESEARCH PARK -
ELEMENT DISTRICT
PROJECT NO. 13355

SHEET NO.
U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
ELEMENT WAY						
SAS#1	111+69.00	CL	987.51	978.11	9.40	(1)
SAS#2	110+95.30	CL	988.85	978.52	10.33	-
SAS#3	110+06.52	CL	995.20	982.94	12.26	-
SAS#4	108+14.30	CL	1010.16	997.84	12.32	-
* SAS#5	107+11.00	CL	1011.57	1000.90	10.67	-
SAS#6	105+70.53	LT-21.18	1018.97	1006.22	12.75	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
ELEMENT WAY								
EX 3356-001	SAS#1	977.10	978.11	253	0.40%	12"	SDR-35	-
SAS#1	SAS#2	978.21	978.52	74	0.42%	12"	SDR-35	-
SAS#2	SAS#3	978.62	982.94	89	4.87%	10"	SDR-35	-
SAS#3	SAS#4	983.04	997.84	192	7.70%	10"	SDR-35	-
* SAS#4	SAS#5	997.94	1000.90	103	2.86%	10"	SDR-35	-
* SAS#5	SAS#6	1001.00	1006.22	147	3.55%	10"	SDR-35	-

SANITARY STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	NOTES
CATALYST WAY			
3256-003	210+08.62	RT-2.95	-
3356-012	211+00.21	RT-94.93	-

WHITNEY WAY

3356-011	302+29.42	LT-26.51	-
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SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	SIZE	TYPE	NOTES
CATALYST WAY					
SAS#4	3256-003	129	10"	PVC	-
3256-003	3356-012	130	10"	PVC	-
3356-012	3356-011	199	10"	PVC	-

WHITNEY WAY

3356-011	3356-001	38	10"	PVC	-
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NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

(1) INSTALL INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH SDD 5.7.17

ULO SCHEDULE

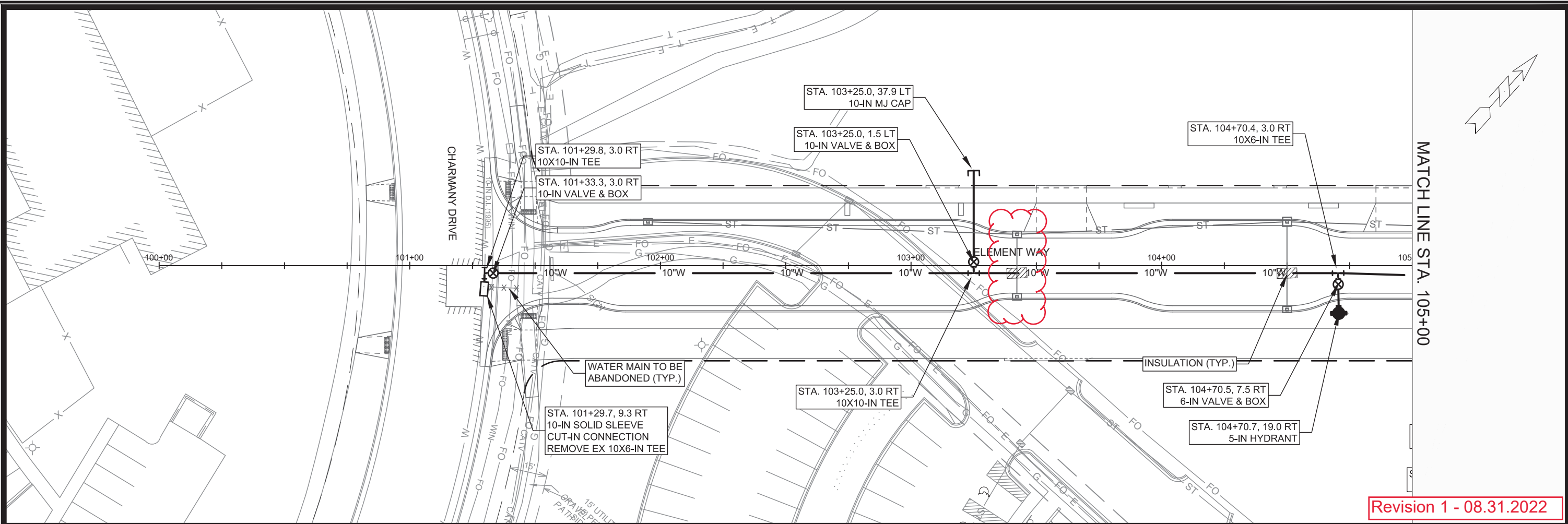
* REVISED 8/30/2022 - EEA
 + REVISED 7/25/2023 - EEA

UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT	SHEET NO. U-STM2
PROJECT NO. 13355	
ULO SCHEDULE	CITY OF MADISON

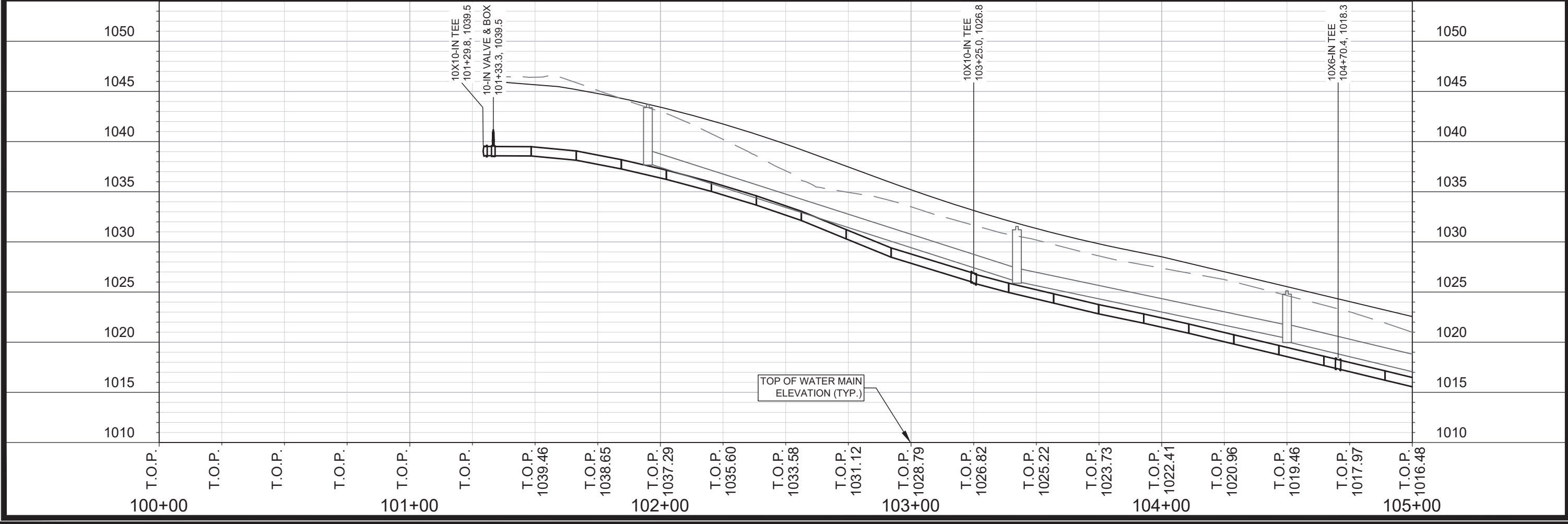
ULO SCHEDULE

ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE	ELEV	NORTH	EAST	NOTES
CATALYST WAY							
* ULO-1	206+80.31	LT-17.86	TOP 3" GAS	1013.754	477295.525	797271.646	MG&E - TO SLIPSTREAM
* ULO-2	206+76.66	LT-18.94	TOP 4" TEL	1013.887	477292.083	797270.006	COMUNICATION TO SLIPSTREAM
* ULO-3	206+76.31	LT-19.17	TOP 1"X4 EL	1013.695	477291.776	797269.732	4 - POWER WIRES TO SLIPSTREAM
* ULO-4	207+02.88	LT-15.47	TOP 8"HP GAS	1011.983	477316.567	797276.85	MG&E
* ULO-5	207+02.80	LT-16.55	TOP 3"X2 FIBER	1013.273	477316.601	797275.774	2 - FIBER TO SLIPSTREAM
* ULO-6	207+04.35	LT-10.78	TOP 10"WATER	1017.668	477317.538	797281.655	WATERMAIN
* ULO-7	206+98.36	RT-11.98	TOP 1" GAS	1012.815	477309.285	797303.691	GAS SERVICE SLIPSTREAM
* ULO-8	207+73.95	LT-10.30	TOP 10" WATER	1005.817	477386.122	797283.317	WATERMAIN
* ULO-9	207+95.37	LT-14.00	TOP 8" HP GAS	1007.004	477407.547	797279.619	MG&E
* ULO-10	208+17.79	LT-13.51	TOP 8" HP GAS	1006.04	477429.963	797280.106	MG&E
* ULO-12	208+72.19	LT-7.62	TOP 10" WATER	1001.417	477484.366	797286.001	WATERMAIN
* ULO-13	208+78.55	LT-8.04	TOP 10" WATER	1001.35	477490.729	797285.575	WATERMAIN
* ULO-17	210+89.68	LT-12.75	TOP 8" HP GAS	998.831	477701.851	797280.871	MG&E
* ULO-18	210+92.68	LT-27.51	Nothing	1005.322	477704.856	797266.106	Went down 12' did not find anything
* ULO-19	210+90.24	RT-33.41	Nothing	1003.54	477702.416	797327.026	Went down 8' found nothing. Think elec was removed by Parisi for building construction.
* ULO-20	209+22.46	LT-14.31	TOP 8" HP GAS	1002.075	477534.631	797279.305	MG&E
ELEMENT WAY							
* ULO-11	111+73.49	LT-21.40	TOP 2" EL	985.554	477513.361	797655.486	STREET LIGHTS
* ULO-21	102+94.24	LT-17.67	TOP 2"X2 FIBER	1032.233	477305.745	796834.863	2 - AT&T
* ULO-22	103+14.07	LT-1.77	TOP 2"X2 FIBER	1029.905	477307.198	796860.247	2 - AT&T
WHITNEY WAY							
* ULO-14	401+00.92	LT-49.09	TOP 2" EL	986.565	477334.102	797683.247	STREET LIGHTS
* ULO-15	400+89.94	RT-48.16	TOP 2" EL & FO	986.114	477329.526	797781.606	STREET LIGHTS & COMUNICATION IN SAME HOLE
* ULO-16	400+84.40	RT-52.14	TOP 2"X2 FIBER	985.288	477329.422	797785.624	2 - FIBER LINES
+ ULO-150	402+85.00	LT-5.00	TOP FIBER	982.99	477521.264	797700.668	2X2 CONCRETE ENCASED DUCT PACKAGE
+ ULO-151	400+90.00	RT-2.00	TOP EL	983.02	477331.275	797735.343	3X3 CONCRETE ENCASED DUCT PACKAGE
+ ULO-153	400+90.00	LT-5.00	TOP FIBER	982.13	477331.126	797728.918	2X2 CONCRETE ENCASED DUCT PACKAGE
+ ULO-155	402+85.00	RT-2.00	TOP EL	982.13	477522.171	797706.819	3X3 CONCRETE ENCASED DUCT PACKAGE
+ ULO-159	400+82.00	RT-64.00	TOP EL & FO	984.14	477328.328	797799.955	2-FIBER LINES; 2-ELEC
+ ULO-160	400+82.00	RT-67.00	TOP FO	985.00	477328.488	797796.898	3" FO

EL TO RELOCATE, IN CONFLICT WITH STORM SEWER
 EL & FO TO RELOCATE, IN CONFLICT WITH STORM SEWER
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Revision 1 - 08.31.2022



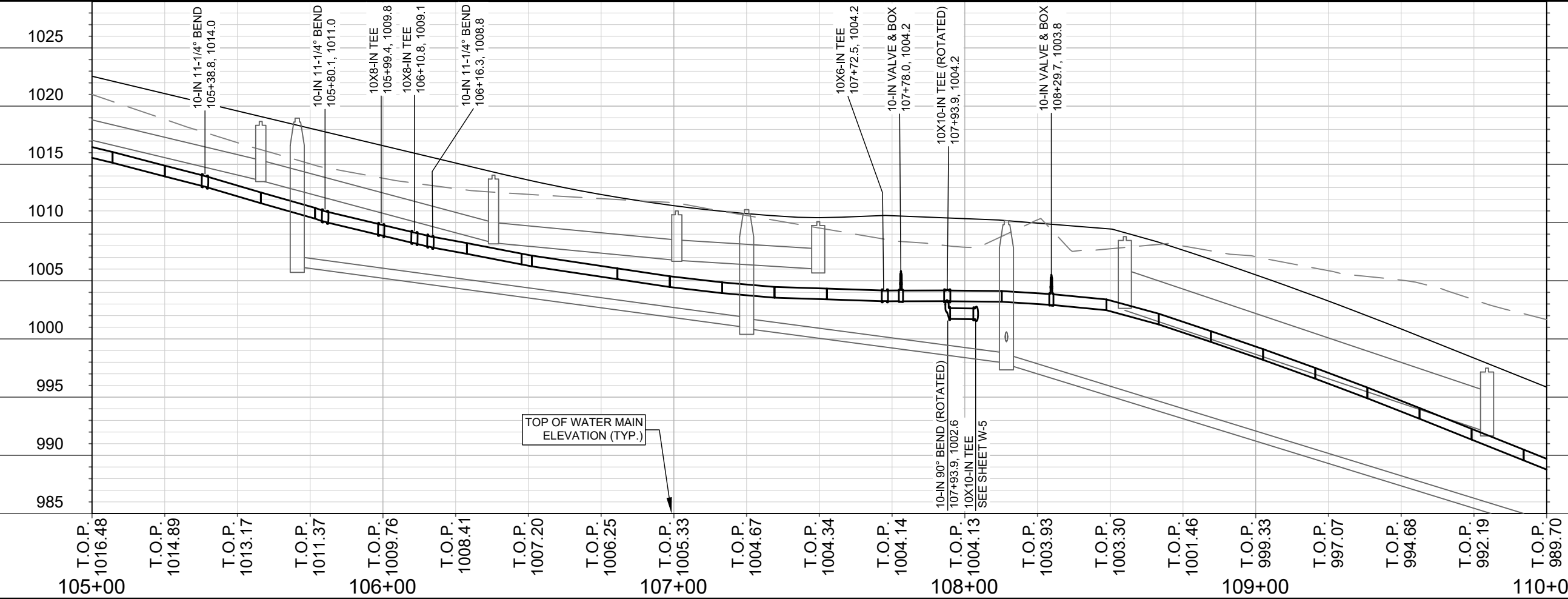
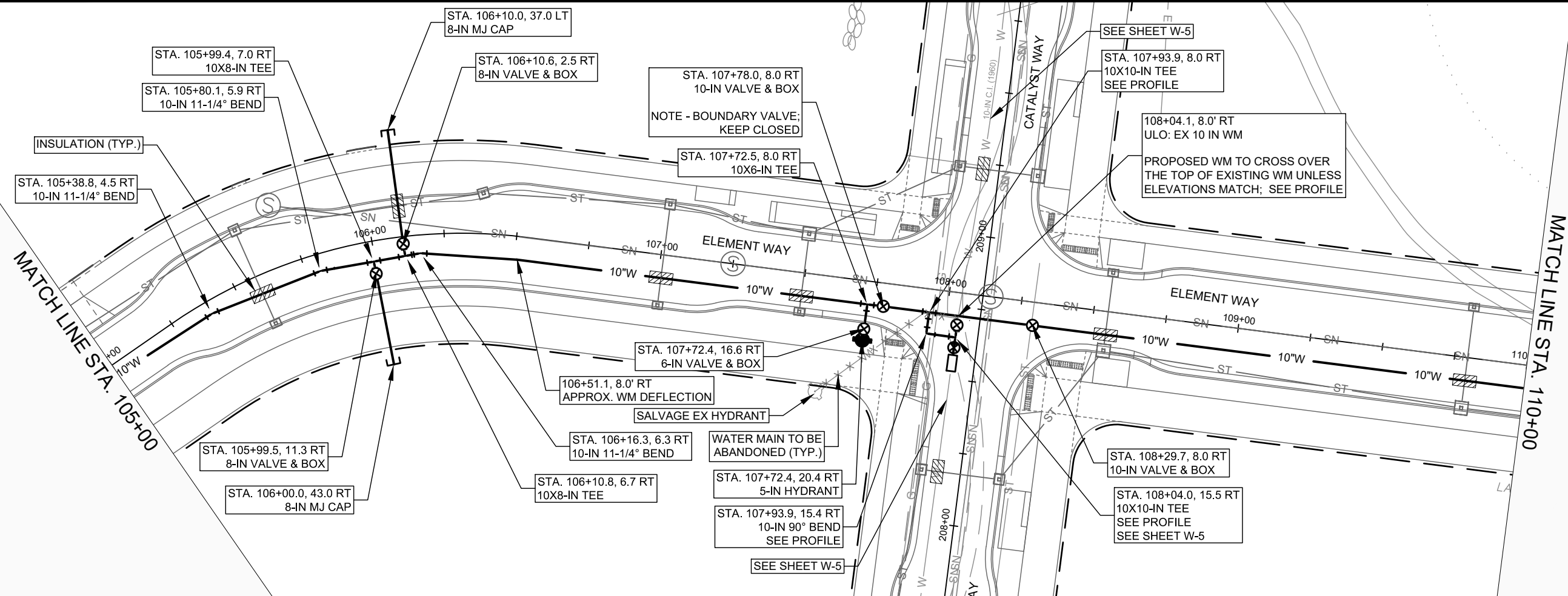
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 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 8/31/22

CONTRACT NO: 9003

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 ELEMENT WAY WATER MAIN PLAN & PROFILE
 CITY OF MADISON, WISCONSIN



13355
 W-1



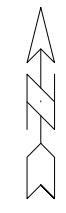
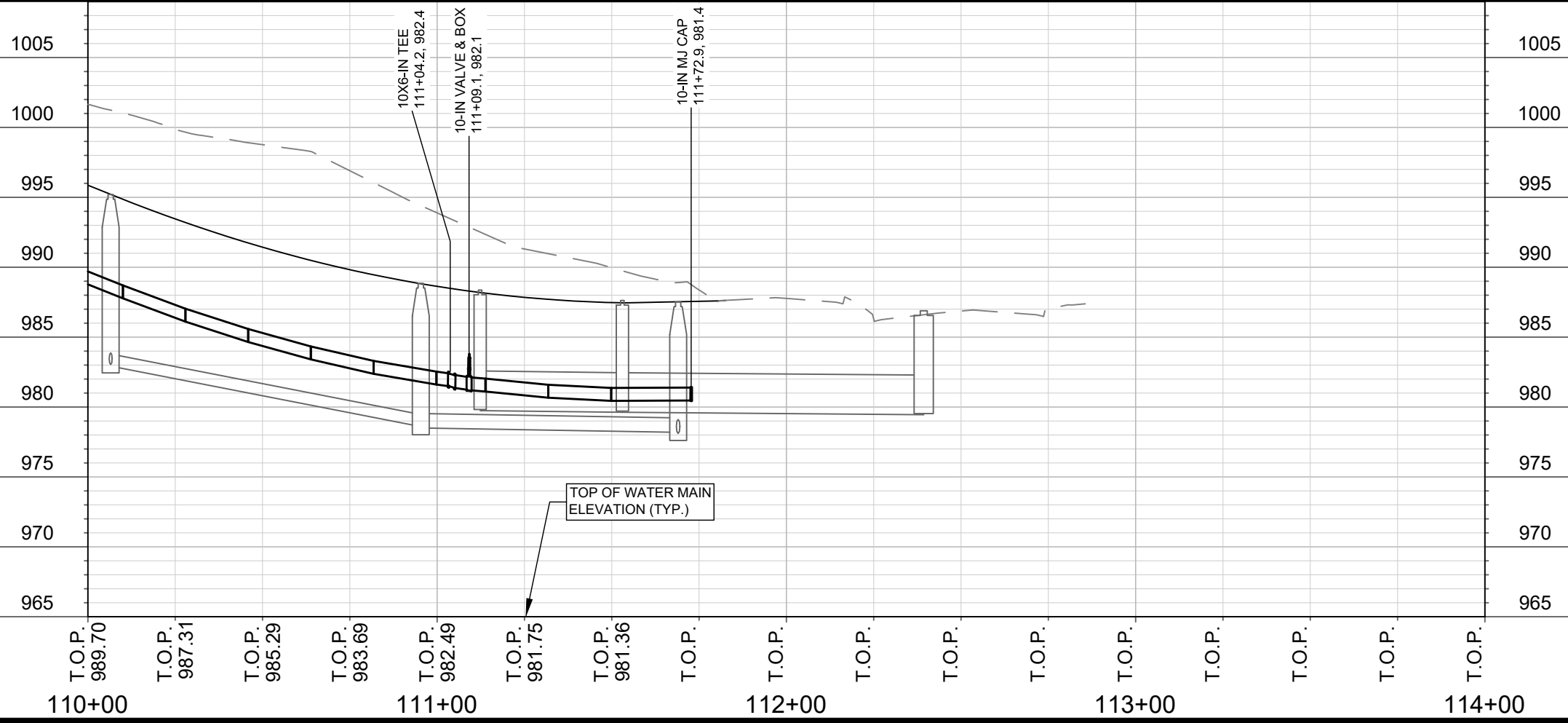
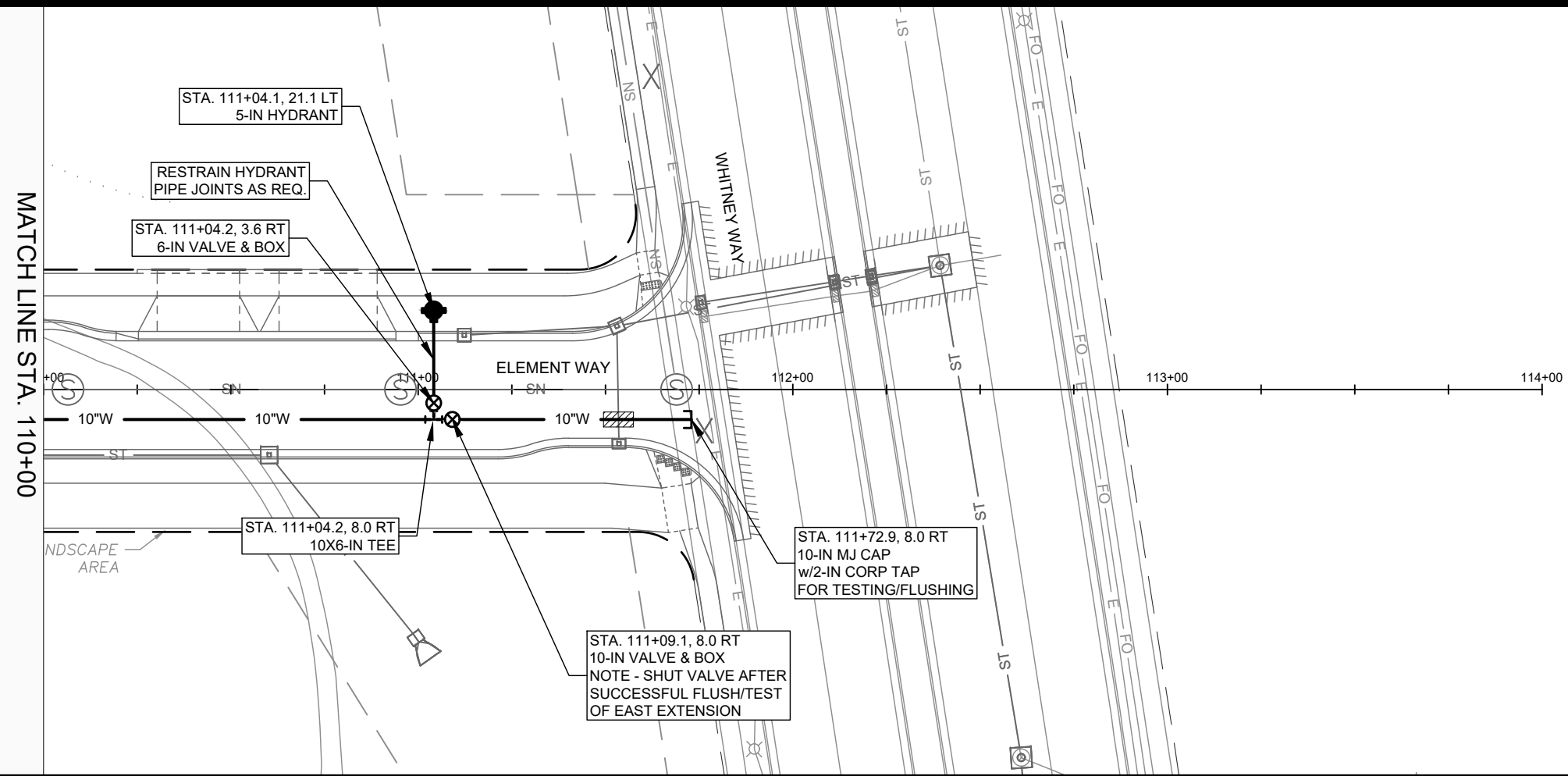
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 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/29/22

CONTRACT NO: 9003

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 ELEMENT WAY WATER MAIN PLAN & PROFILE
 CITY OF MADISON, WISCONSIN



13355
 W-2

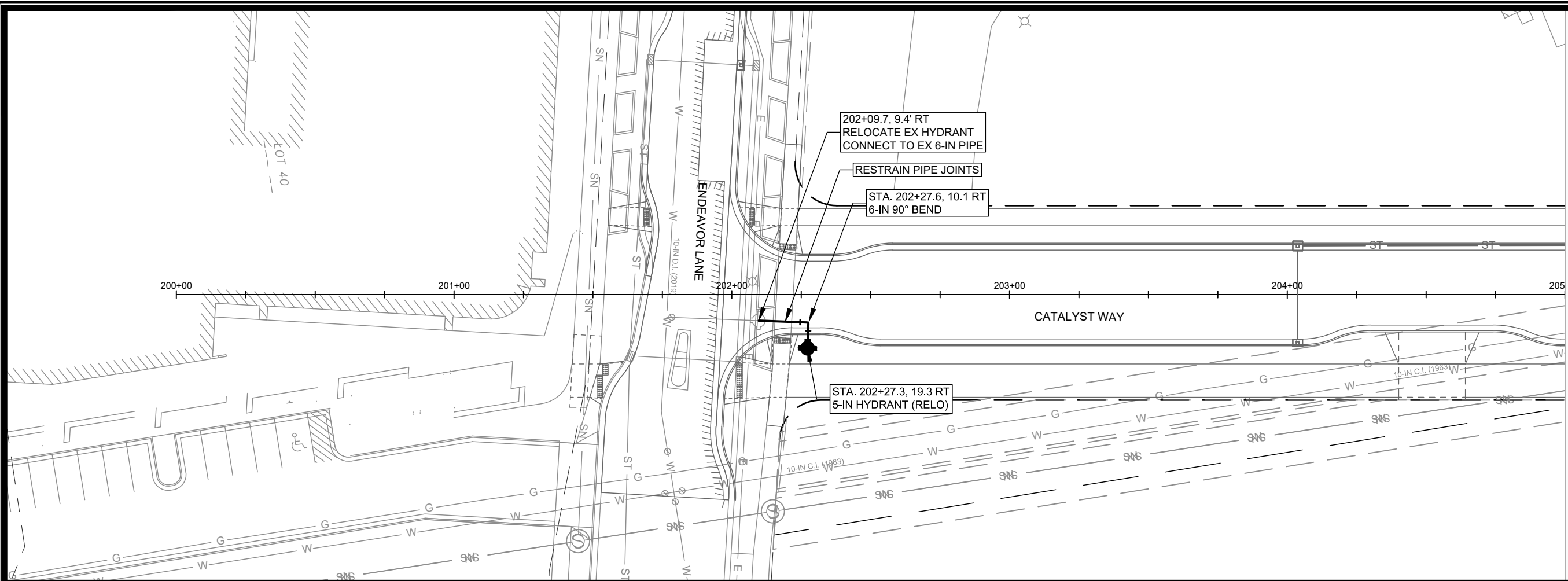


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 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/29/22

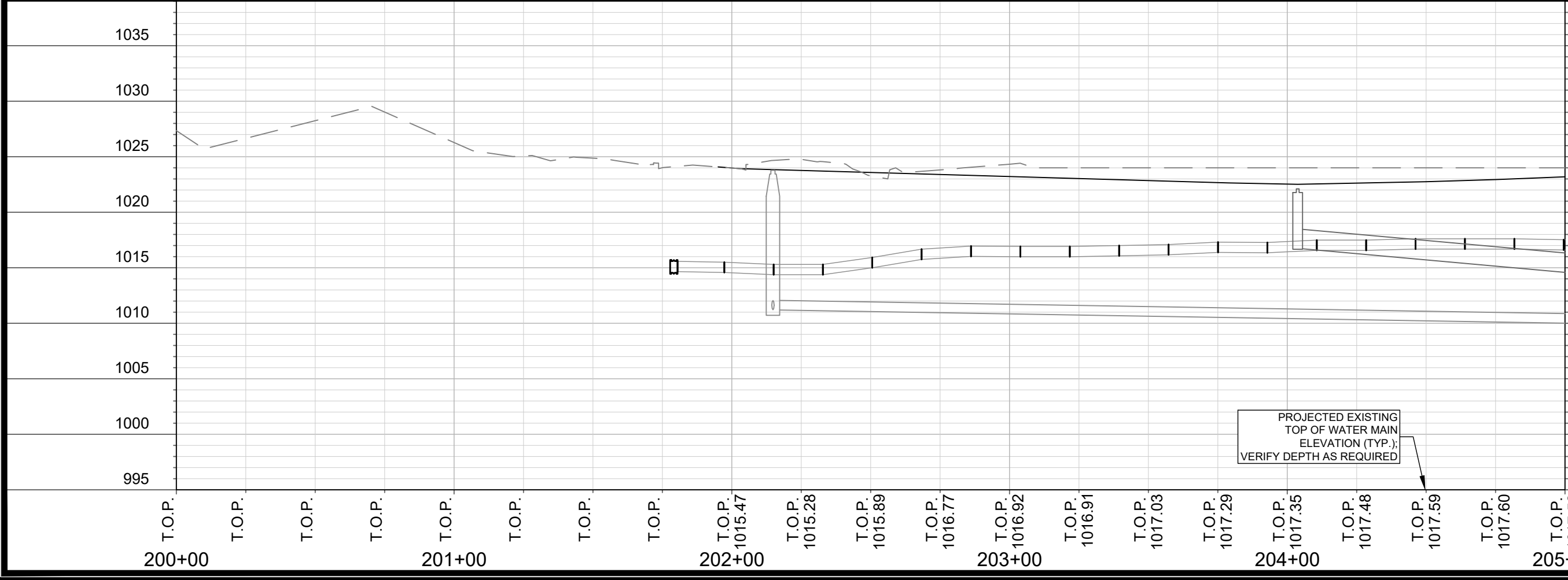
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 ELEMENT WAY WATER MAIN PLAN & PROFILE
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 9003



13355
 W-3



MATCH LINE STA. 205+00



995

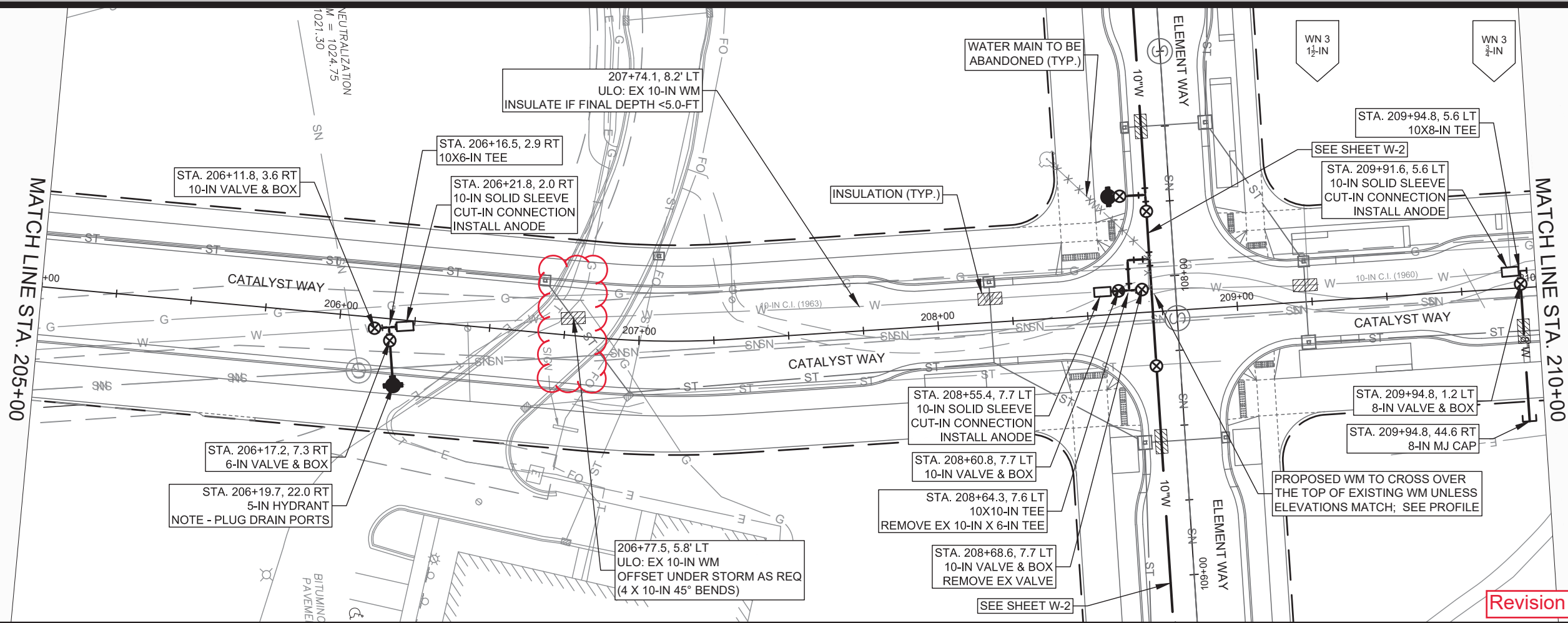
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1005
1010
1015
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 DESIGNED BY: VALUE
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/29/22

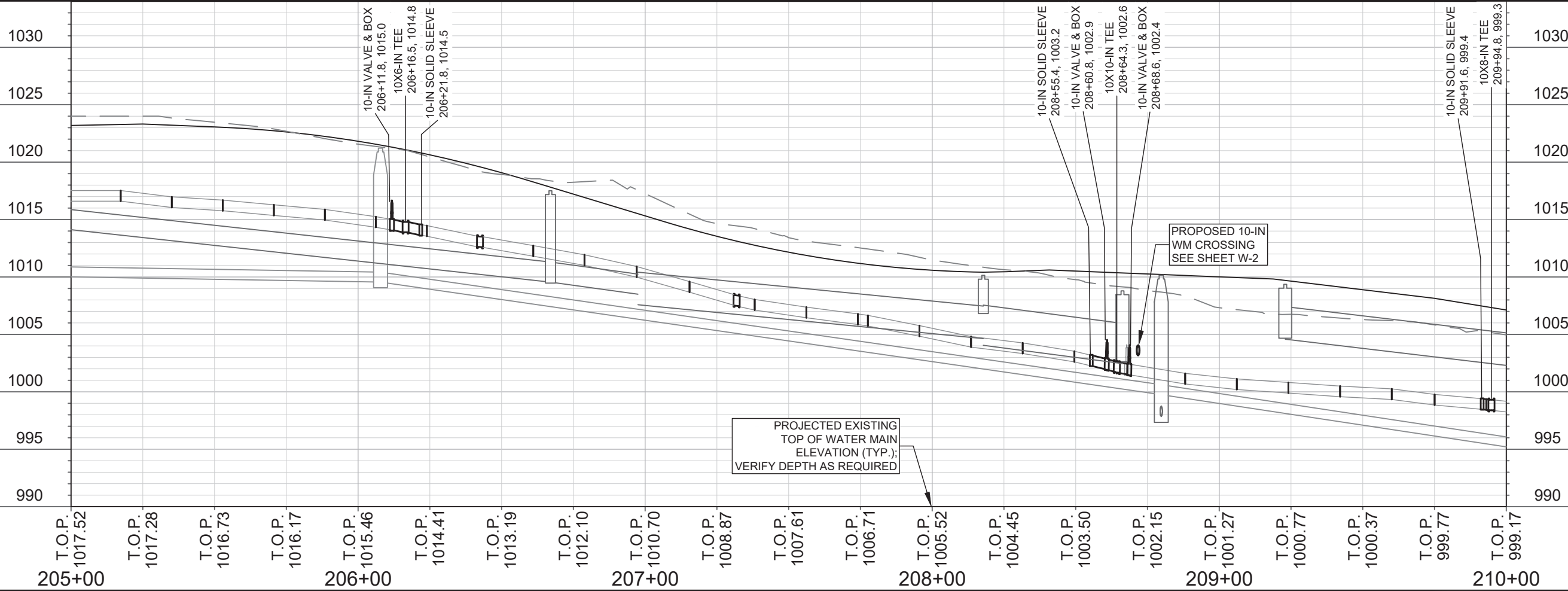
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 CATALYST WAY WATER MAIN PLAN & PROFILE
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 9003



13355
 W-4



Revision 1 - 08.31.2022



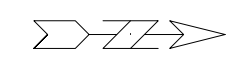
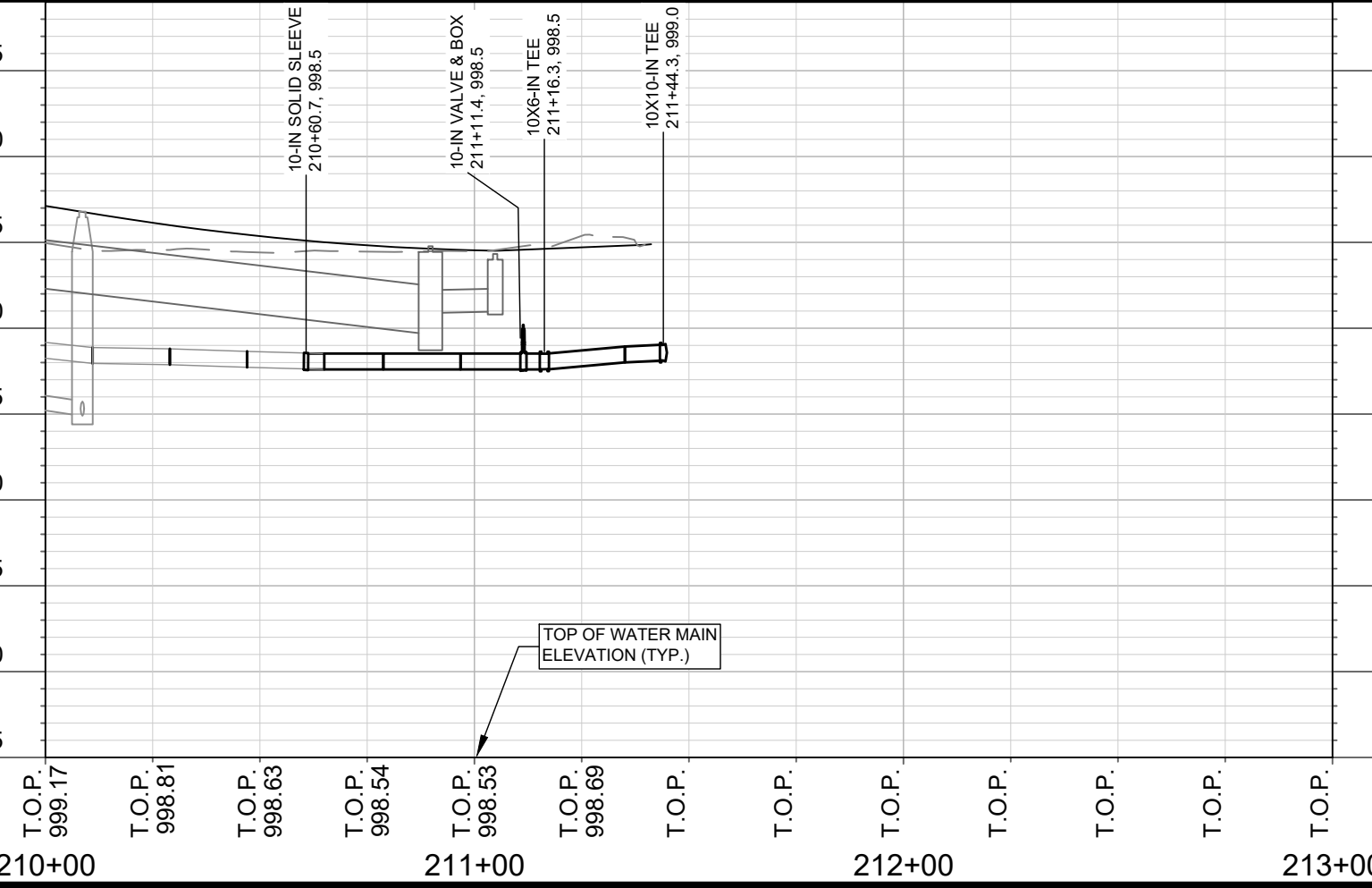
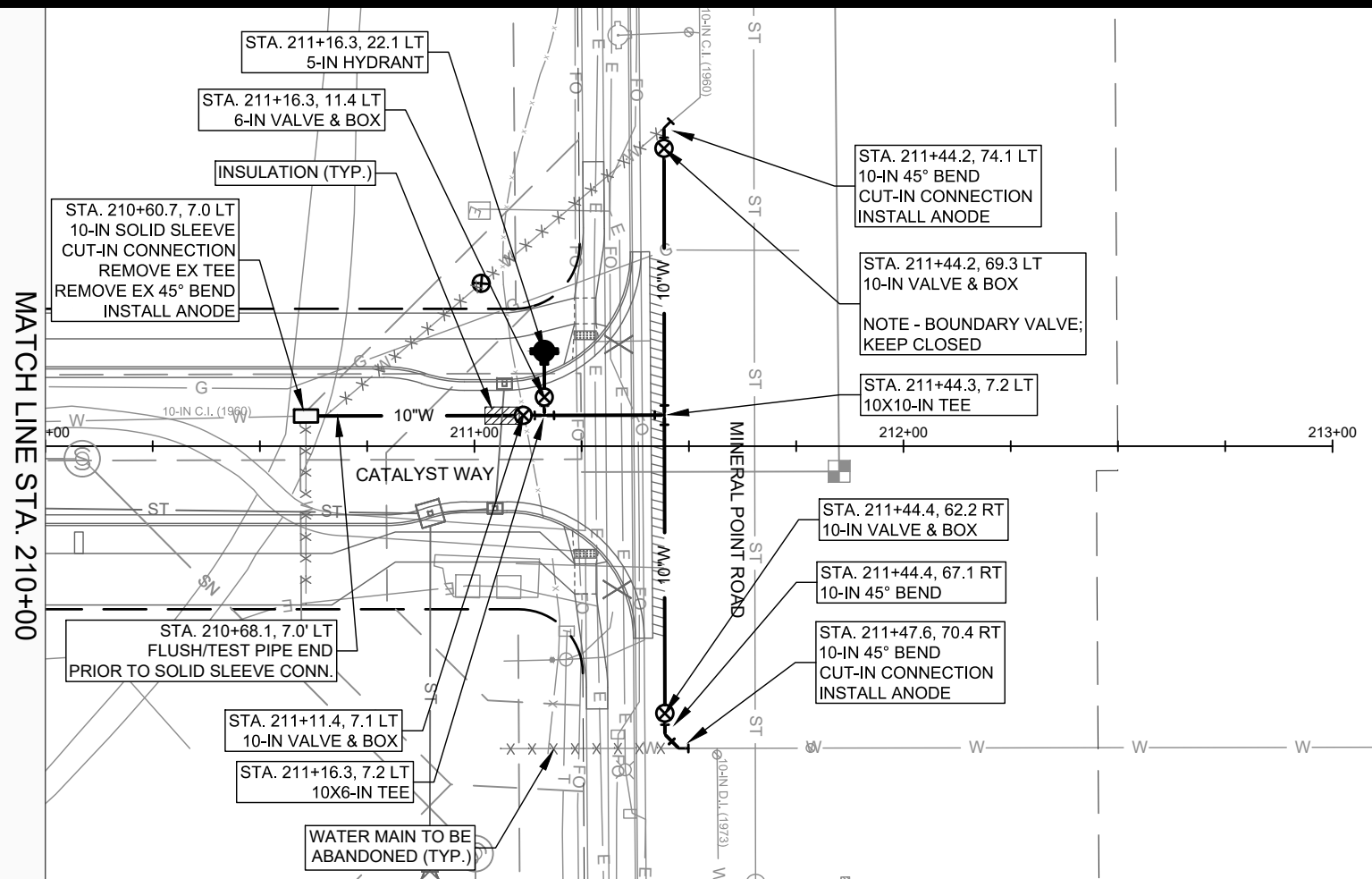
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 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 8/31/22

CONTRACT NO: 9003

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 CATALYST WAY WATER MAIN PLAN & PROFILE
 CITY OF MADISON, WISCONSIN



13355
 W-5

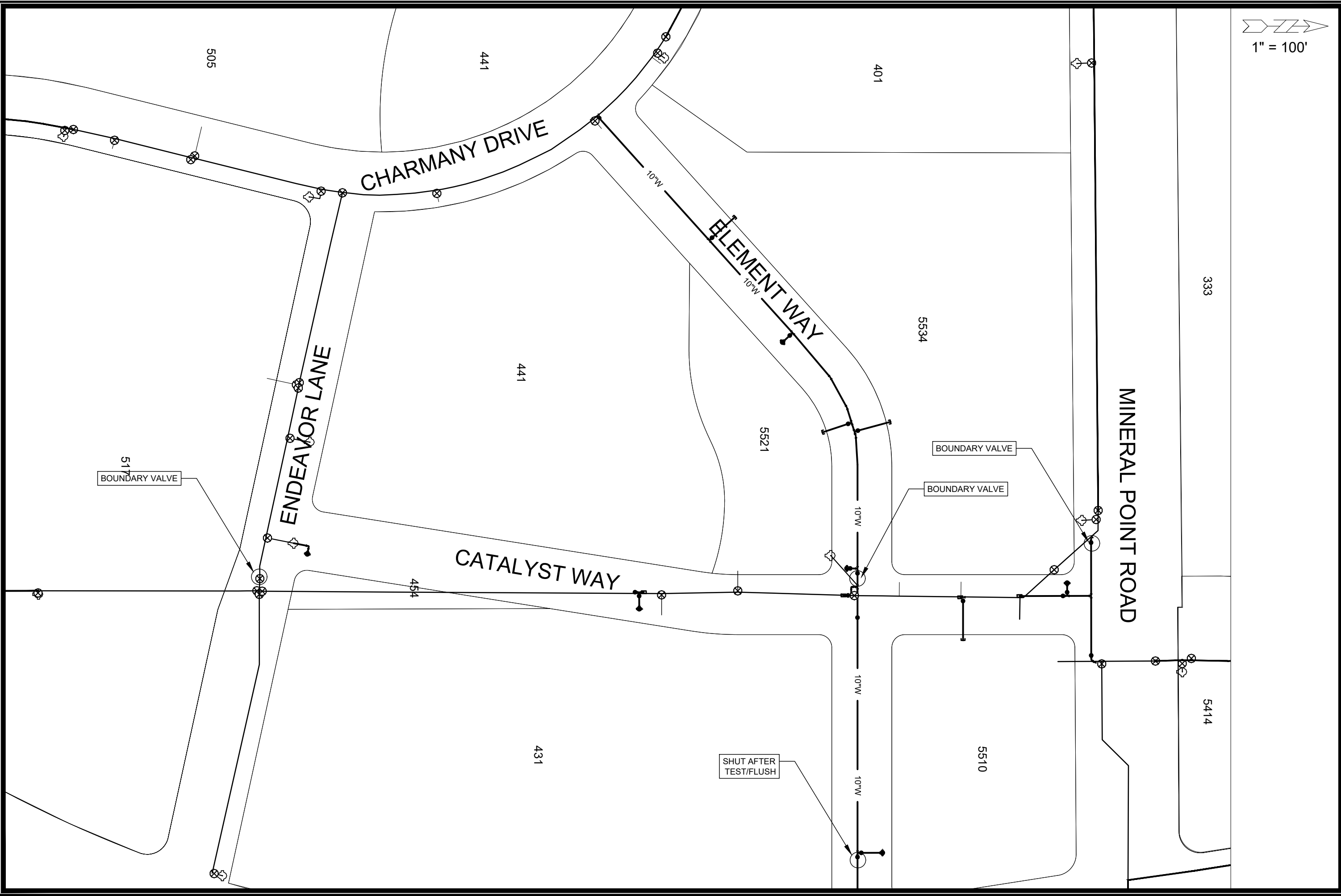


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 DESIGNED BY: VALUE
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/29/22

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 CATALYST WAY WATER MAIN PLAN & PROFILE
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 9003



13355
 W-6



1" = 100'

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
WATER IMPACT PLAN

SCALE: 1" = 100'
DESIGNED BY: PEH
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 4/18/2022

CONTRACT NO: 9003

CITY OF MADISON, WISCONSIN



13355
W-7

CONSTRUCTION NOTES:

- | | |
|--|---|
| <p>1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.</p> <p>2. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</p> <p>3. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.</p> | <p>WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|--|---|



WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
1	WATER	108+04	8.0 RT	W-2
2	WATER	207+02	8.1 LT	W-5
3	WATER	207+74	8.2 LT	W-5

***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

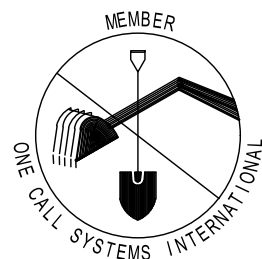
DESCRIPTION	QUANTITY	UNIT
6-INCH PIPE & FITTINGS	120	LNFT
8-INCH PIPE & FITTINGS	140	LNFT
10-INCH PIPE & FITTINGS	1360	LNFT
6-INCH WATER VALVE	5	EACH
8-INCH WATER VALVE	3	EACH
10-INCH WATER VALVE	11	EACH
5-INCH HYDRANT	5	EACH
6-IN MJ CAP	2	EACH
8-IN MJ CAP	3	EACH
10-IN MJ CAP	2	EACH
10-IN SOLID SLEEVE	5	EACH
6-IN 90° BEND	1	EACH
6-IN 45° BEND*	4	EACH
10-IN 90° BEND	1	EACH
10-IN 45° BEND*	7	EACH
10-IN 11-1/4° BEND	3	EACH
10X6-IN TEE	7	EACH
10X8-IN TEE	3	EACH
10X10-IN TEE	5	EACH
ANODE	7	EACH

DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



***ESTIMATE OF REUSED AND SALVAGED MATERIALS**

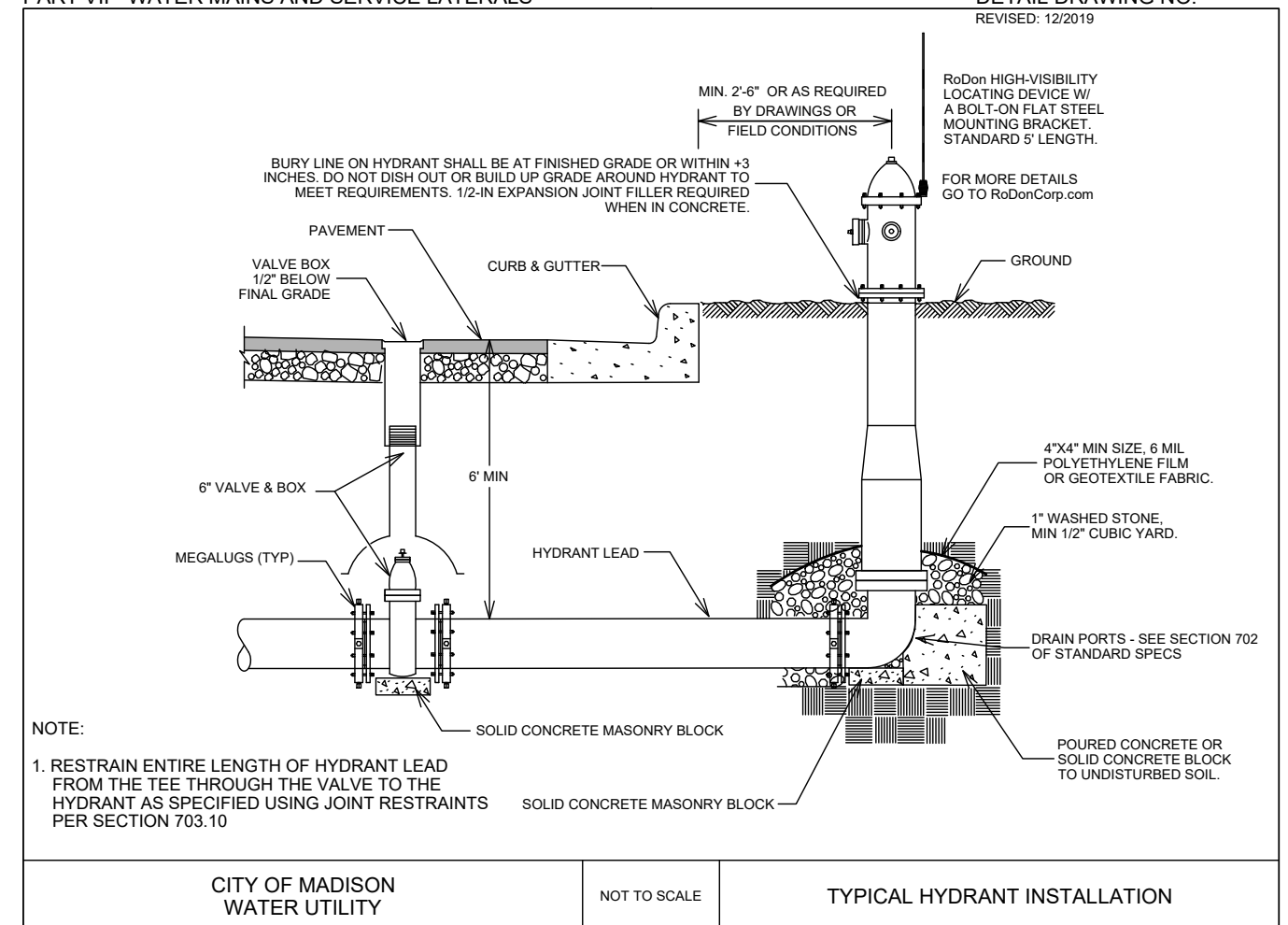
DESCRIPTION	QUANTITY	UNIT
5-IN HYDRANT	1	RELOCATE

* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

WATER MATERIALS & DETAILS

CITY OF MADISON, WISCONSIN

SCALE: N/A

DESIGNED BY: VALUE

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

PRINTING DATE: 5/13/22

CONTRACT NO: 9003

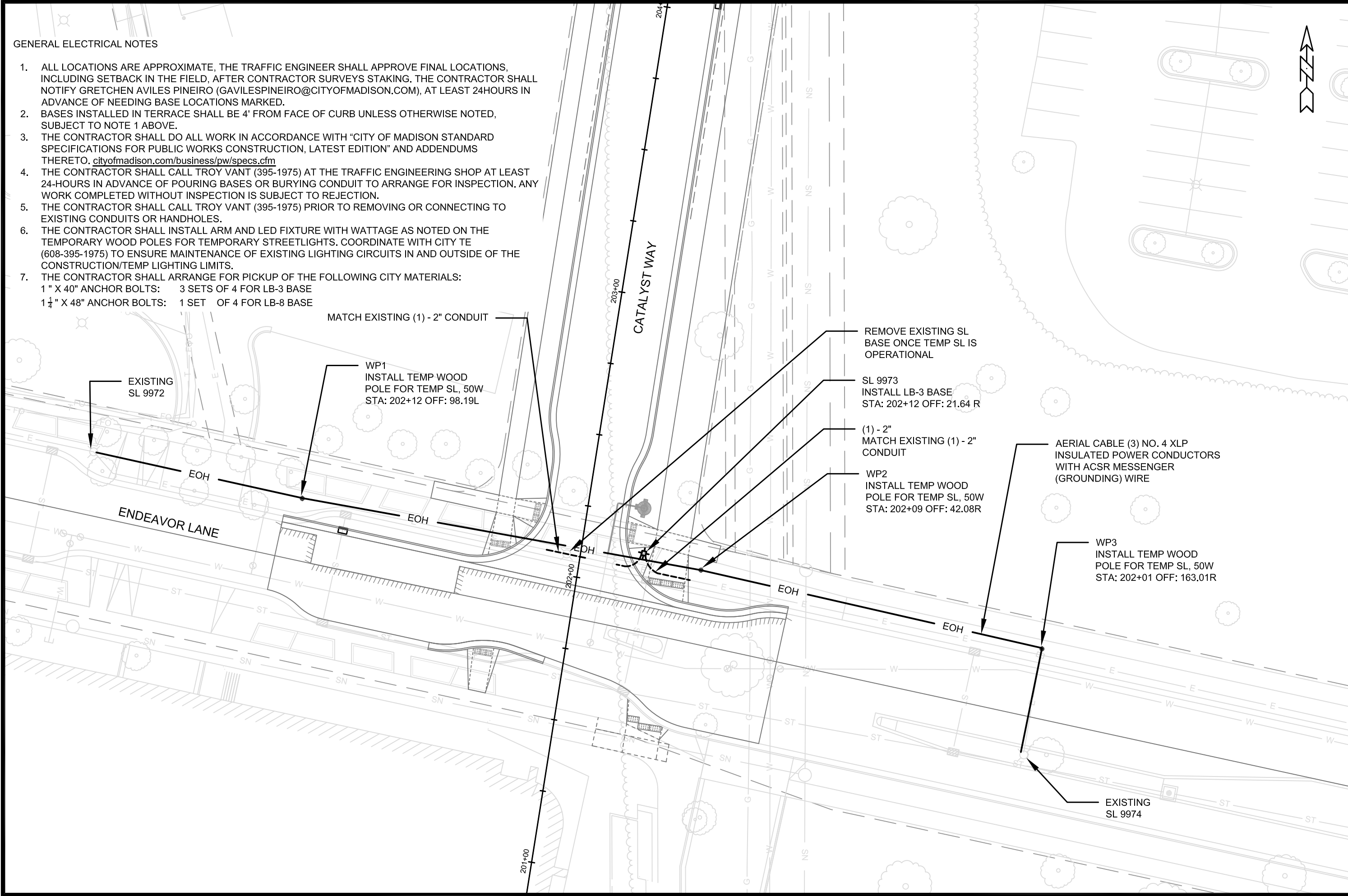


13355

W-8

GENERAL ELECTRICAL NOTES

1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK IN THE FIELD, AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM), AT LEAST 24HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED, SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION" AND ADDENDUMS THERETO. cityofmadison.com/business/pw/specs.cfm
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION, ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) PRIOR TO REMOVING OR CONNECTING TO EXISTING CONDUITS OR HANDHOLES.
6. THE CONTRACTOR SHALL INSTALL ARM AND LED FIXTURE WITH WATTAGE AS NOTED ON THE TEMPORARY WOOD POLES FOR TEMPORARY STREETLIGHTS. COORDINATE WITH CITY TE (608-395-1975) TO ENSURE MAINTENANCE OF EXISTING LIGHTING CIRCUITS IN AND OUTSIDE OF THE CONSTRUCTION/TEMP LIGHTING LIMITS.
7. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
 1" X 40" ANCHOR BOLTS: 3 SETS OF 4 FOR LB-3 BASE
 1 1/4" X 48" ANCHOR BOLTS: 1 SET OF 4 FOR LB-8 BASE



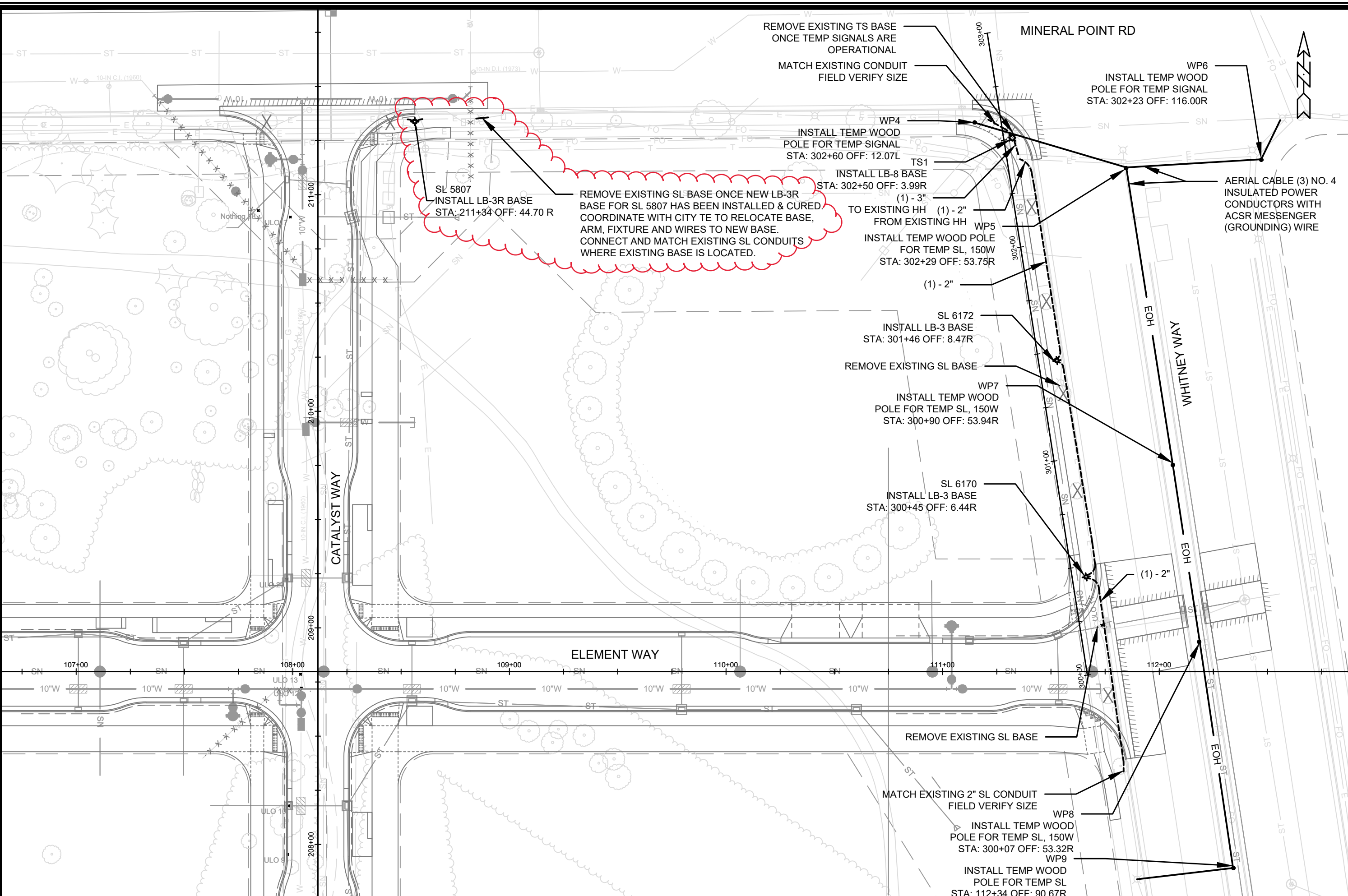
MARK	REVISION	DATE	BY
13355			
Designed By: GMA	Date: 6/30/2022 4:13 PM	Scale: 1"=30'	E-1

13355
 MADISON, WI
 CONTRACT NO: 9003

ELECTRICAL PLAN
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 \\gisserver\data\DESIGN\Projects\13355\CAD\Traffic\13355\TE-Electrical.dwg



13355
 E-1



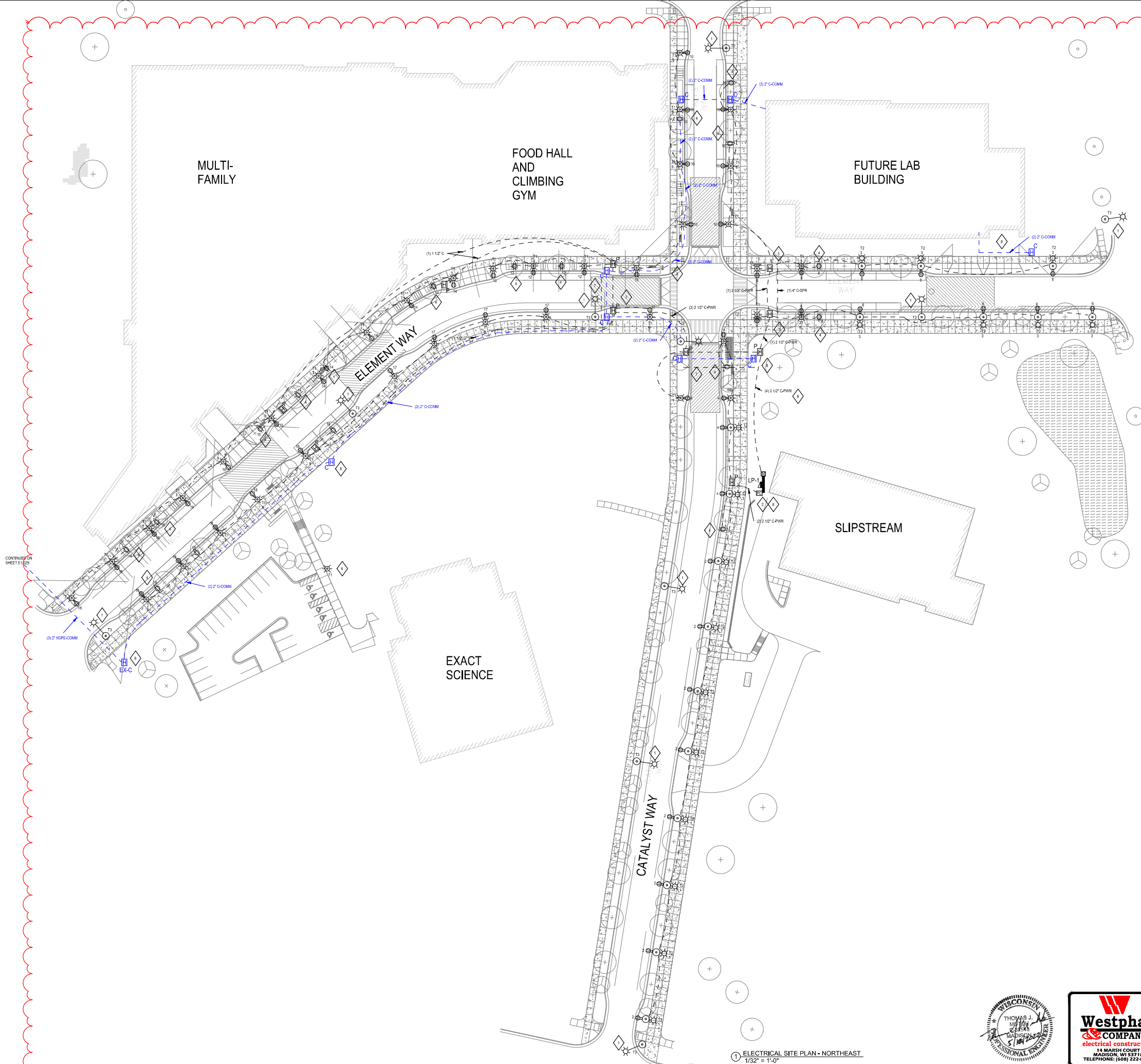
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ADD SL BASE ON MINERAL POINT RD	7/25/2023	SMA
MARK	DATE	BY
Described By: GMA	Date: 7/25/2023 10:44 AM	Scale: 1"=40'
13355		

13355
 MADISON, WI
 CONTRACT NO: 9003

ELECTRICAL PLAN
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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13355
 E-2



GENERAL NOTES

1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARD SPECIFICATIONS.
2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPTACLES WITH RELAY QUANTITY AS REQUIRED.
3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 200A, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE UL LISTED ASSEMBLY.
5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
6. PROVIDE (2)R, #10G FOR ALL LIGHTING CIRCUITS.
7. ALL RECEPTACLE CIRCUITS SHALL BE (2) #1, #6G EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2)R, #6G.
8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY, UNLESS NOTED OTHERWISE.
10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◆ CITY OF MADISON LIGHT POLE. ALL WORK ASSOCIATED WITH LIGHT POLE (LIGHT POLE, BASE, CONDUIT, WIRING, TRACING ETC.) TO BE PERFORMED BY MISE AND CITY OF MADISON.
- ◆ NEW ELECTRICAL SERVICE CONSISTING OF A UTILITY METER SOCKET, PANELBOARD WITH INTEGRATED LIGHTING CONTROLS. PANELBOARD SHALL BE EATON POW-R-COMMAN PANEL OR EQUAL.
- ◆ PROVIDE HANDHOLE IN GREEN SPACE BETWEEN CURB AND SIDEWALK. HANDHOLE SHALL BE QUATZITE CAT.# PC1212280124 OR EQUAL.
- ◆ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL WHILE-IN-USE COVER AS INDICATED. PROVIDE ATTACHMENT TO INTERIOR WALL CURB, TREE GRATE OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
- ◆ LIGHT POLE TO BE FED FROM EXACT SCIENCE BUILDING SITE LIGHTING CIRCUIT.
- ◆ UNDERGROUND CONDUIT BELOW ROADWAY CONSIST OF (3) 2 1/2" C-PWR, (2) 4" C-COMM AND (1) 4" C-SPR.
- ◆ ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY.

**ELEMENT DISTRICT -
SITE IMPROVEMENTS**

510 CHARMANY DRIVE, SUITE 250
MADISON, WI 53719

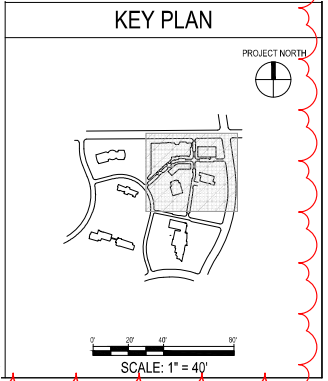
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SMITHGROUP
44 E MIFFLIN STREET
SUITE #500
MADISON, WI 53703
608.251.1177
smithgroup.com

STAMP:

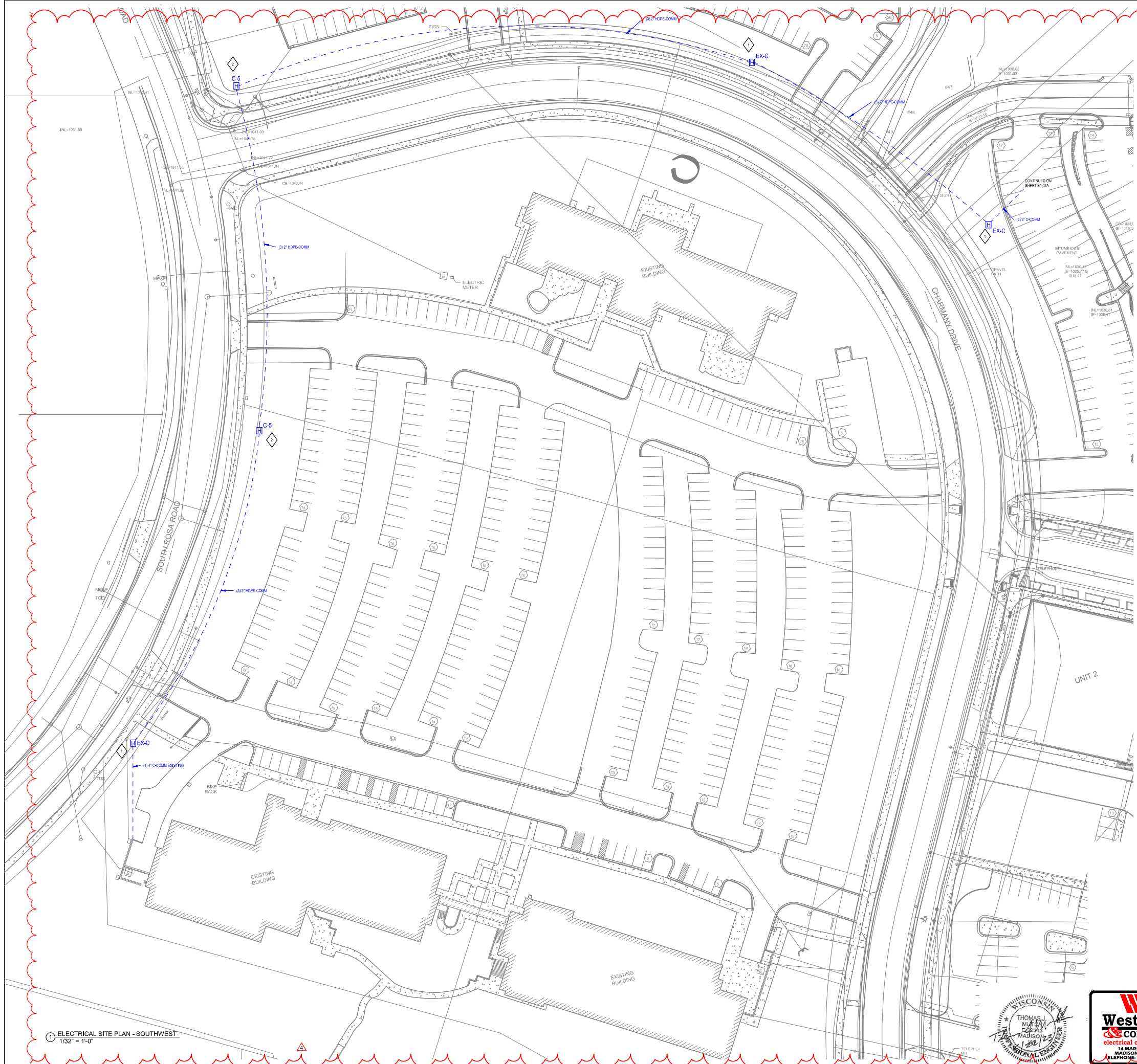
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NO.	DATE	DESCRIPTION
1	7/9/2021	CONSTRUCTION DOCUMENTS FOR GMP
2	1/6/2022	CDs FOR GMP - ADDENDUM 1
3	4/11/2022	LIGHTING COORDINATION
4	5/19/2023	ELEC. REVISION #01
5	7/14/2023	ELEC. REVISION #02



1 ELECTRICAL SITE PLAN - NORTHEAST
1/32" = 1'-0"

PROJECT NO. 12748	ELEMENT DISTRICT - SITE IMPROVEMENTS
DATE: 6/30/2021	
E1.02A	
DRAWING TITLE: ELECTRICAL SITE PLAN	

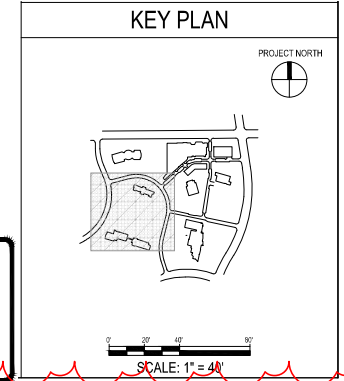


GENERAL NOTES

1. ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY, EXCEPT AT STREET CROSSINGS.
2. PERFORM ALL INSTALLATION WORK FOR NEW EXTERIOR TELECOMMUNICATIONS PATHWAY IN A NEAT AND WORKMANLIKE MANNER.
3. EXAMINE AREAS AND CONDITIONS UNDER WHICH THE NEW TELECOMMUNICATIONS PATHWAYS ARE TO BE INSTALLED.
4. LOCATE AND EXPOSE ALL UTILITIES, AS NECESSARY, PRIOR TO CONSTRUCTION.
5. MAINTAIN 12 INCH CLEARANCE FROM ALL UTILITIES.
6. A MINIMUM OF 24-INCH DEPTH OF COVER IS REQUIRED ABOVE THE TOP OF ALL CONDUITS.
7. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◇ EXISTING URP COMMUNICATION HANDHOLE. PROVIDE NEW RACEWAYS INTO HANDHOLE AS INDICATED ON PLAN.
- ◇ NEW URP COMMUNICATIONS HANDHOLE. REFER TO SHEET E1.03 DETAIL 3 FOR DETAILS.



**ELEMENT DISTRICT -
SITE IMPROVEMENTS**

510 CHARMANY DRIVE, SUITE 250
MADISON, WI 53719

Tryba_Logo_color.png

SMITHGROUP

44 E MIFFLIN STREET
SUITE #500
MADISON, WI 53703
608.251.1177
smithgroup.com

STAMP:

ISSUE

NO.	DATE	DESCRIPTION
3	5/19/2023	ELEC. REVISION #01
4	7/14/2023	ELEC. REVISION #02

PROJECT NO.
12748

DATE:
6/30/2021

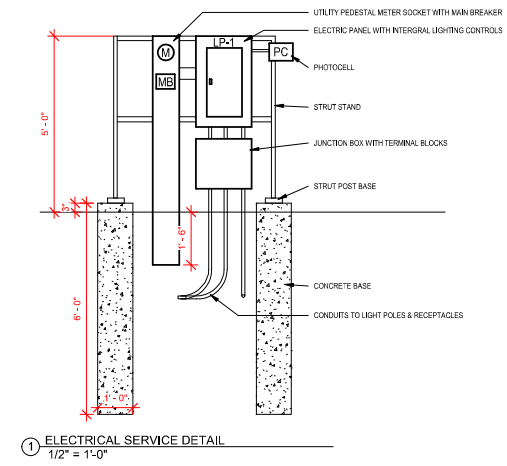
**ELEMENT DISTRICT -
SITE IMPROVEMENTS**

E1.02B

DRAWING TITLE:
ELECTRICAL SITE PLAN

1 ELECTRICAL SITE PLAN - SOUTHWEST
1/32" = 1'-0"

FIXTURE SCHEDULE											
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	MOUNTING	WATTAGE	VOLTAGE	LAMPING	DIMMING	COLOR/FINISH	COMMENTS	
T1	14' MODULAR LIGHT COLUMN LIGHT POLE	HESS	CE/180/14-AR800/1LVC/WW-T3-UNV--CRO2/11-GFCI	POLE	37W	120V	LED, 3356 LUMENS, 3000K	NONE	TBD	EXTERNAL FLANGE, GFCI RECEPTACLE	
T2	16' LIGHT POLE AND FIXTURE	BEGA	77025-K3-**	POLE	20W	120V	LED, 2090 LUMENS, 3000K	NONE	TBD	EXTERNAL FLANGE, GFCI RECEPTACLE	
T3	CITY OF MADISON LIGHT POLE										



1 ELECTRICAL SERVICE DETAIL
1/2" = 1'-0"

Panel: LP-1

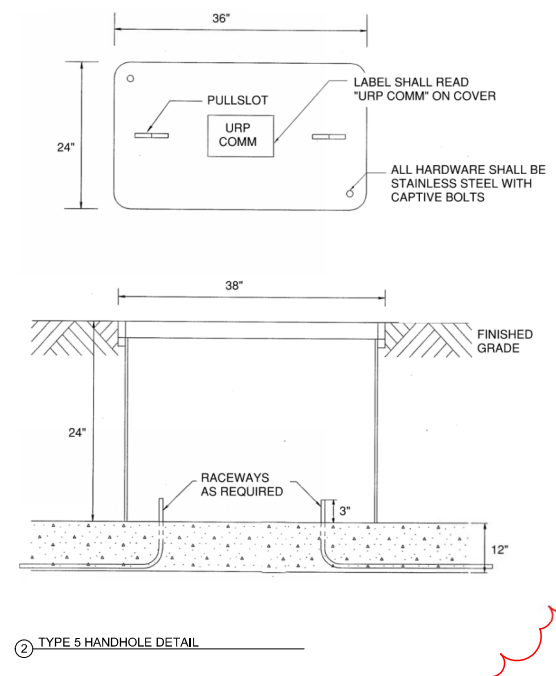
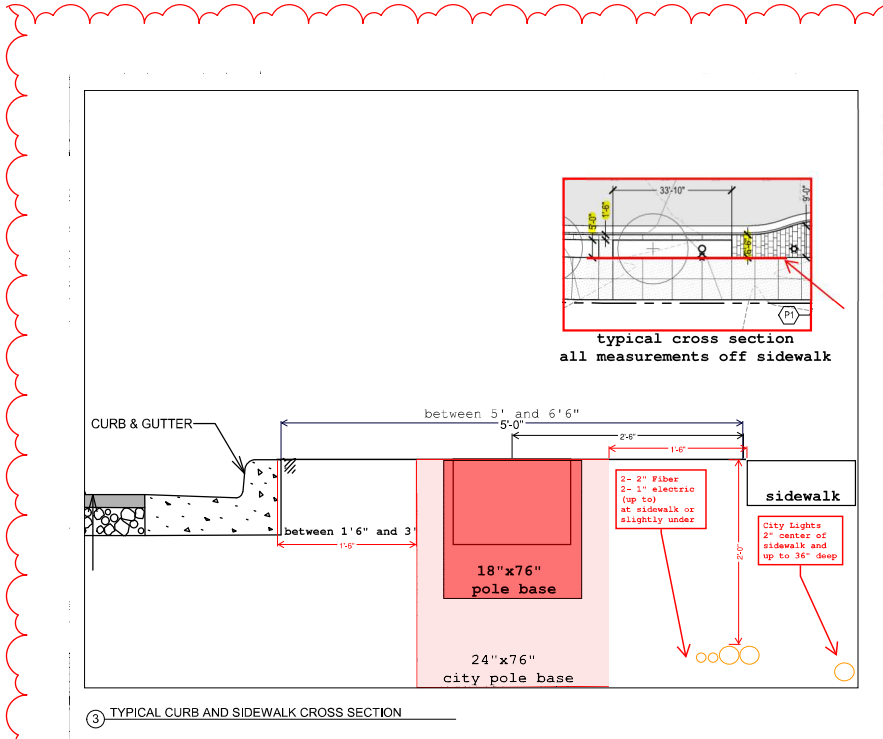
Location: SLIPSTREAM ELEC. SERVICE Volts: 120/240 Single A.I.C. Rating: 65,000
Supply From: UTILITY Phases: 1 Mains Type: MLO
Mounting: SURFACE Wires: 3 MCB Ampacity: N/A
Enclosure: TYPE 3R Min Bus Ampacity: 200 AMPS

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	SOUTH CATALYST WAY LTG	20 A	1	5 A	12 A	1	20 A	SOUTH CATALYST WAY REC	2	
3	EAST ELEMENT WAY LTG	20 A	1			3 A	11 A	SOUTH CATALYST WAY REC	4	
5	NORTH CATALYST WAY LTG	20 A	1	3 A	11 A	1	20 A	EAST ELEMENTS WAY REC S	6	
7	WEST ELEMENT WAY LTG N	20 A	1			4 A	9 A	EAST ELEMENTS WAY REC N	8	
9	WEST ELEMENT WAY LTG S	20 A	1	3 A	17 A		1	NORTH CATALYST WAY REC P	10	
11						8 A	1	WEST ELEMENTS WAY REC N	12	
13						11 A	1	WEST ELEMENTS WAY REC N	14	
15						14 A	1	WEST ELEMENTS WAY REC N	16	
17	WEST ELEMENTS WAY REC S	20 A	1	8 A	12 A		1	WEST ELEMENTS WAY REC S	18	
19									20	
21									22	
23									24	
				Total Load:	9534 VA		5681 VA			
				Total Amps:	79 A		47 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals
Receptacles	13140 VA	88.05%	11570 VA	
Lighting	2075 VA	125.00%	2594 VA	
				Total Conn. Load: 15215 VA
				Total Est. Demand: 14164 VA
				Total Conn.: 63 A
				Total Est. Demand: 59 A



HANDHOLE SPECIFICATION

MANUFACTURE: HUBBELL-QUAZITE (OR APPROVED EQUAL)
STYLE: 95
RATING: TIER 8
MATERIAL: POLYMER CONCRETE
HARDWARE: STAINLESS STEEL WITH CAPTIVE BOLTS

**ELEMENT DISTRICT -
SITE IMPROVEMENTS**

510 CHARMANY DRIVE, SUITE 250
MADISON, WI 53719

Tryba_Logo_color.png

SMITHGROUP

44 E MIFFLIN STREET
SUITE #500
MADISON, WI 53703
608.251.1177
smithgroup.com

STAMP:

ISSUE

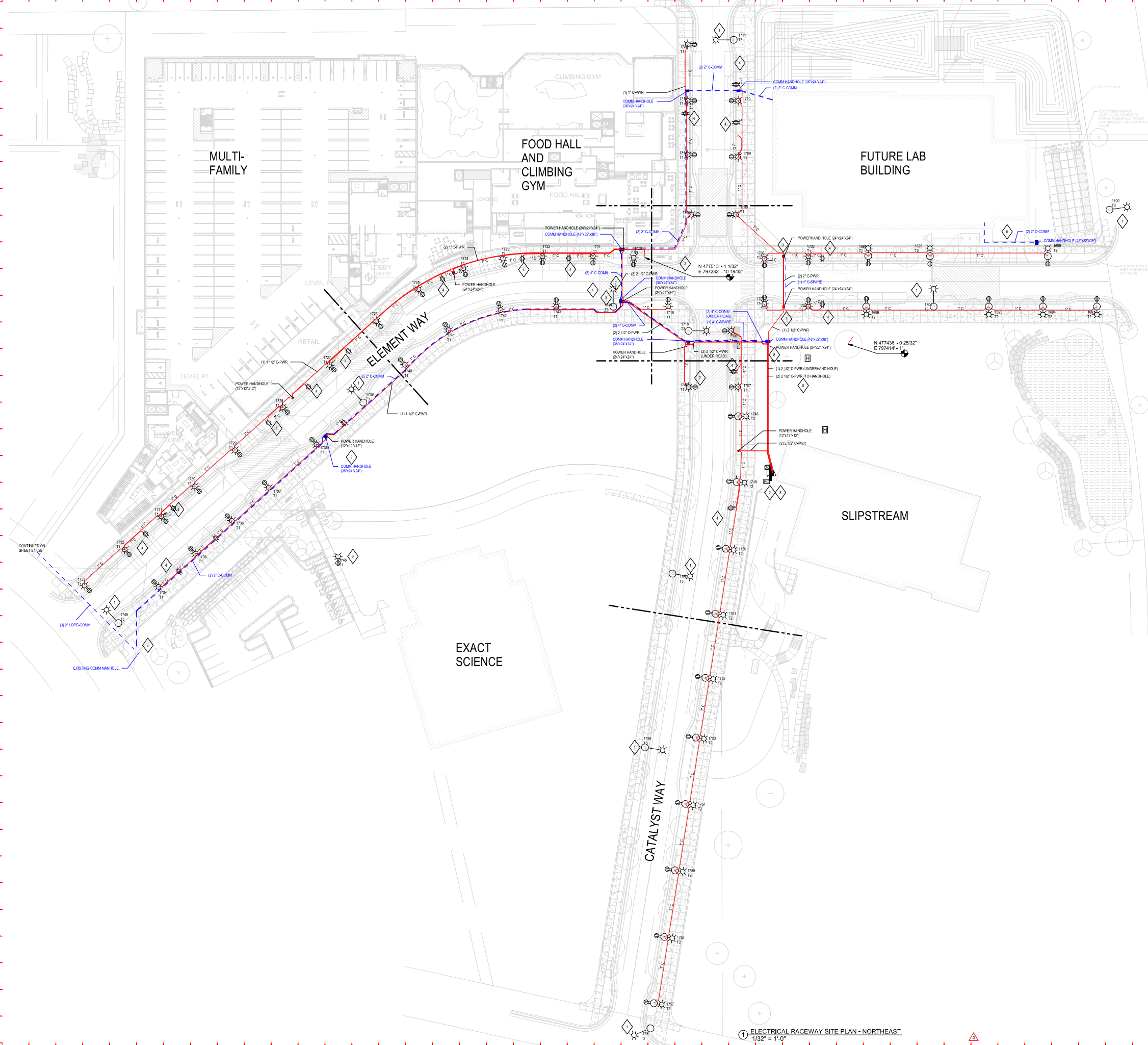
NO.	DATE	DESCRIPTION
1	7/9/2021	CONSTRUCTION DOCUMENTS FOR GMP
2	1/6/2022	CDs FOR GMP - ADDENDUM 1
3	4/11/2022	LIGHTING COORDINATION
4	5/19/2023	ELEC. REVISION #01
5	7/14/2023	ELEC. REVISION #02

PROJECT NO. 12748
DATE: 6/30/2021
**ELEMENT DISTRICT -
SITE IMPROVEMENTS**

E1.03

DRAWING TITLE:
ELECTRICAL SITE PLAN





GENERAL NOTES

1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARDS SPECIFICATIONS.
2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPTACLES WITH RELAY QUANTITY AS REQUIRED.
3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 200A, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE ASSEMBLED ASSEMBLY.
5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
6. PROVIDE (2) #6, #10S FOR ALL LIGHTING CIRCUITS.
7. ALL RECEPTACLE CIRCUITS SHALL BE (2) #4, #6S EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2) #6, #6S.
8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY, UNLESS NOTED OTHERWISE.
10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◇ CITY OF MADISON LIGHT POLE. ALL WORK ASSOCIATED WITH LIGHT POLE (LIGHT POLE, BASE, CONDUIT, WIRING, TRENCHING ETC.) TO BE PERFORMED BY MUE AND CITY OF MADISON.
- ◇ NEW ELECTRICAL SERVICE CONSISTING OF A UTILITY METER SOCKET, PANELBOARD WITH INTEGRATED LIGHTING CONTROLS. PANELBOARD SHALL BE EATON POW-R-COMMAN GREEN OR EQUAL.
- ◇ PROVIDE HANDHOLE IN GREEN SPACE BETWEEN CURB AND SIDEWALK. HANDHOLE SHALL BE QUARTZITE CAT# PCV122B0124 OR EQUAL.
- ◇ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL WIND-RAISE COVER AS INDICATED. PROVIDE ATTACHMENT TO PLANTER WALL/CURB, TREE GRATE, OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
- ◇ LIGHT POLE TO BE FED FROM EXACT SCIENCE BUILDING SITE LIGHTING CIRCUIT.
- ◇ UNDERGROUND CONDUIT BELOW ROADWAY CONSIST OF (2) 2 1/2" C-PWR, (2) 4" C-COMM.
- ◇ ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY.



**GMP URP ELEMENT LABS
ROADWAY LIGHTING PROJECT**

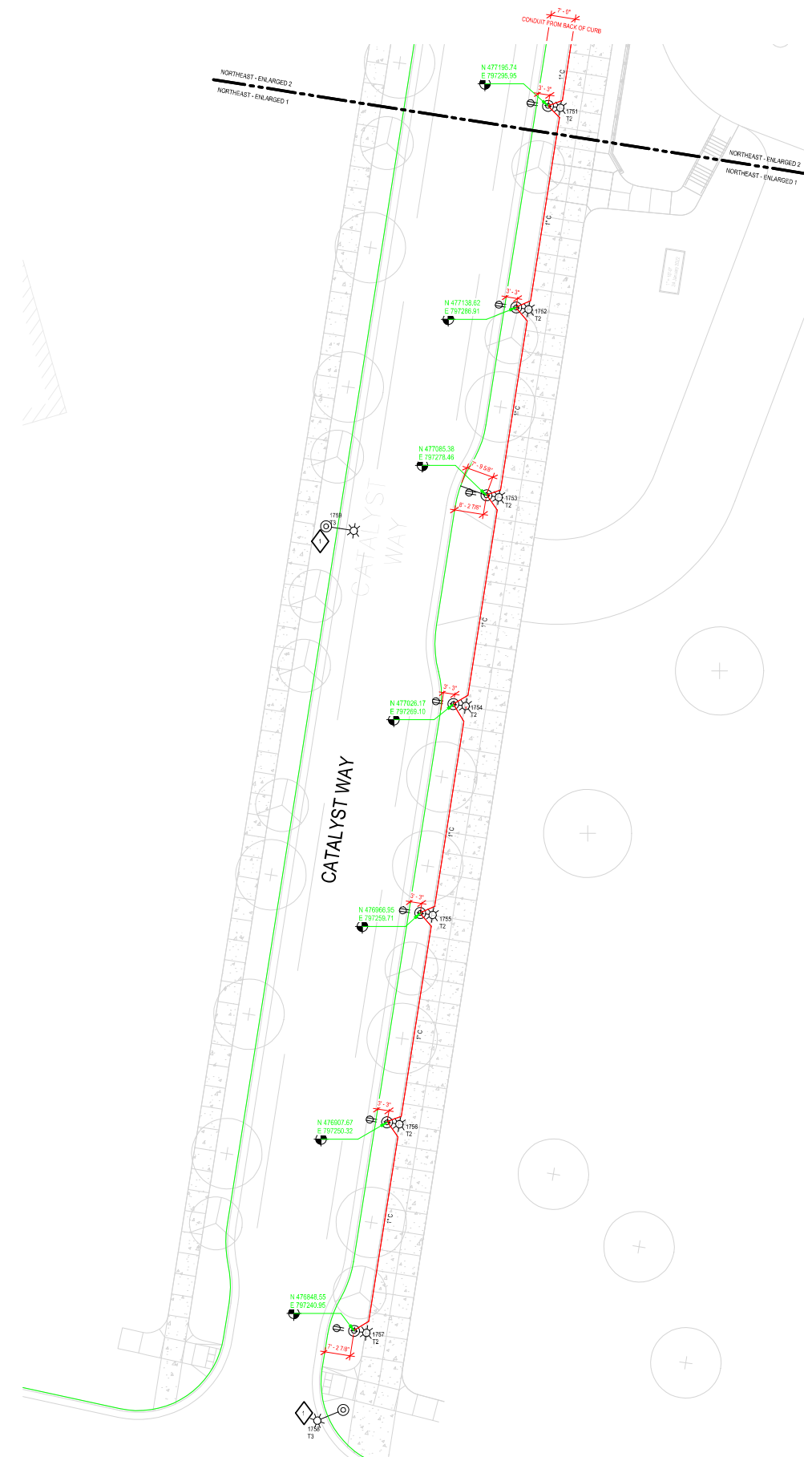
Rev.	Description	Date
4	ELECTRICAL RACEWAY	7/14/23

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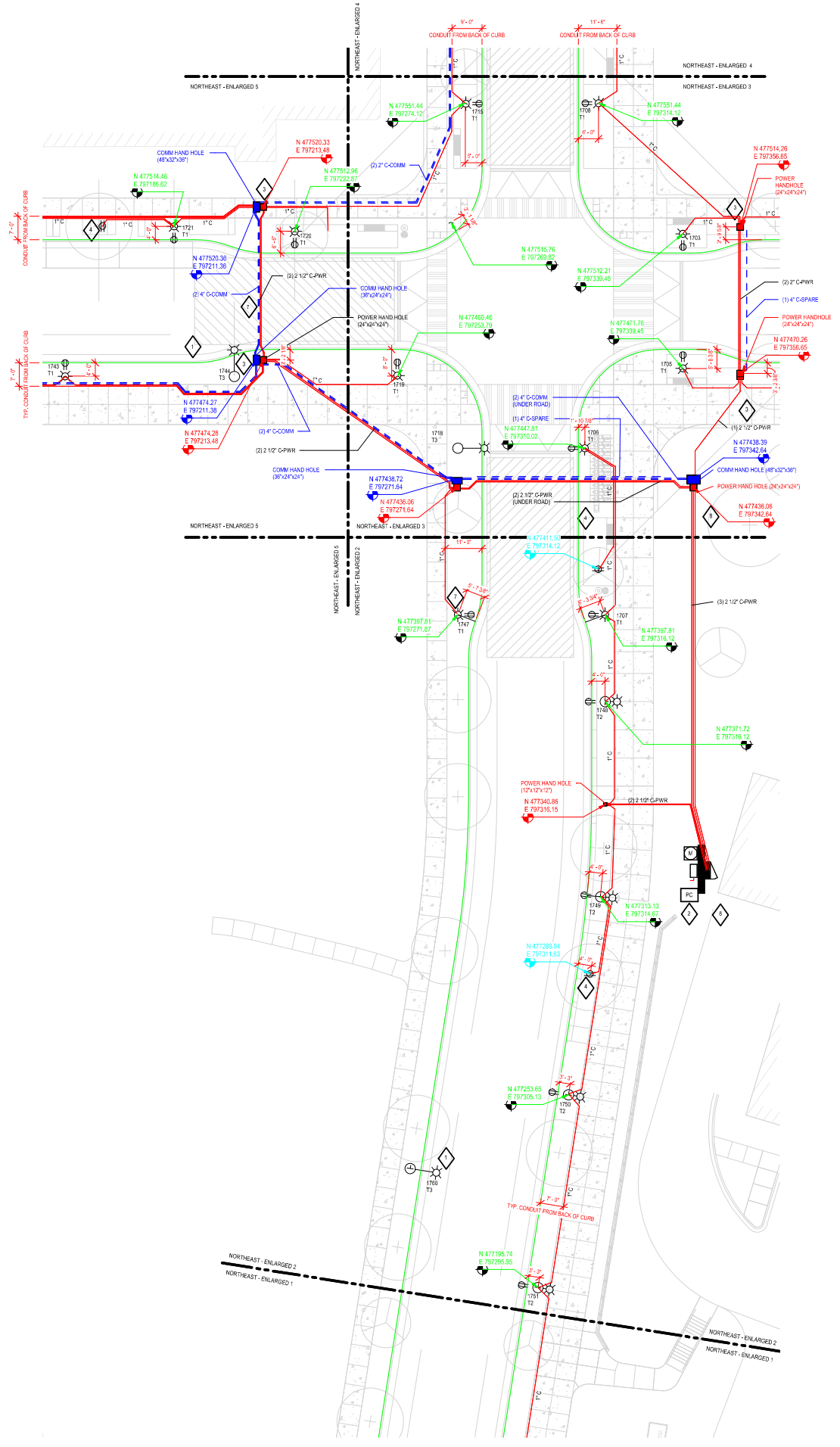
Drawn/Designed By:	Job No.:
WESTPHAL & COMPANY INC.	2240022
1/32" = 1'-0"	DATE:
DATE:	06/06/23
ELECTRICAL RACEWAY SITE PLAN - NORTHEAST	

Sheet: **E1.04**

1 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST
1/32" = 1'-0"



1 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 1
1/16" = 1'-0"



2 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 2
1/16" = 1'-0"

GENERAL NOTES

1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARD SPECIFICATIONS.
2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPTACLES WITH RELAY QUANTITY AS REQUIRED.
3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 208V, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE ALL LISTED ASSEMBLY.
5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
6. PROVIDE (2)R# #10S FOR ALL LIGHTING CIRCUITS.
7. ALL RECEPTACLE CIRCUITS SHALL BE (2) #4, 46G EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2)R# #6G.
8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY UNLESS NOTED OTHERWISE.
10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◇ CITY OF MADISON LIGHT POLE. ALL WORK ASSOCIATED WITH LIGHT POLE (LIGHT POLE, BASE, CONDUIT, WIRING, TRENCHING ETC.) TO BE PERFORMED BY M&E AND CITY OF MADISON.
- ◇ NEW ELECTRICAL SERVICE CONSISTING OF A UTILITY METER SOCKET, PANELBOARD WITH INTEGRATED LIGHTING CONTROLS, PANELBOARD SHALL BE EATON POW-R-COMMAN GREEN OR EQUAL.
- ◇ PROVIDE HANDHOLE IN GREEN SPACE BETWEEN CURB AND SIDEWALK. HANDHOLE SHALL BE QUARTZITE CAT# PC121228124 OR EQUAL.
- ◇ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL NEMA-3R USE COVER AS INDICATED. PROVIDE ATTACHMENT TO PLANTER WALL/CURB, TREE GRATE, OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
- ◇ LIGHT POLE TO BE FED FROM EXACT SCIENCE BUILDING SITE LIGHTING CIRCUIT.
- ◇ UNDERGROUND CONDUIT BELOW ROADWAY CONSIST OF (2) 2 1/2" C-PWR, (2) 4" C-COMM
- ◇ ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY



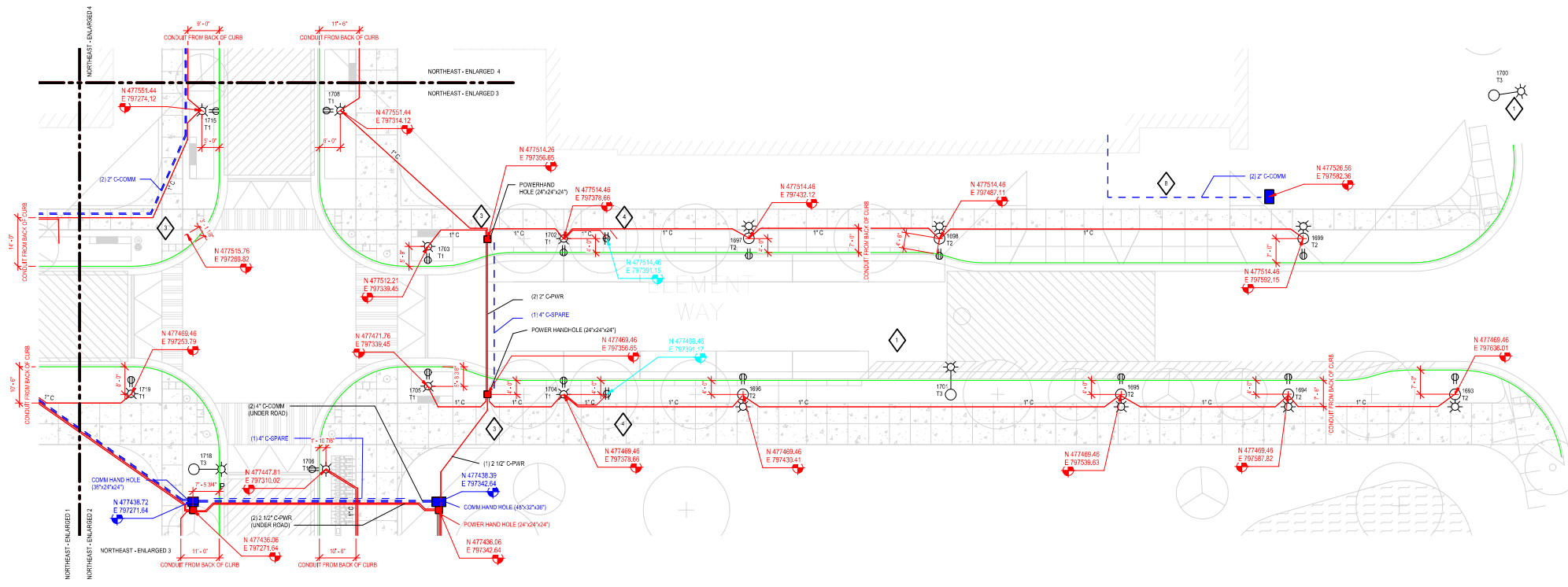
GMP URP ELEMENT LABS
ROADWAY LIGHTING PROJECT

Rev.	Description	Date
1	ELECTRICAL RACEWAY	07/14/23

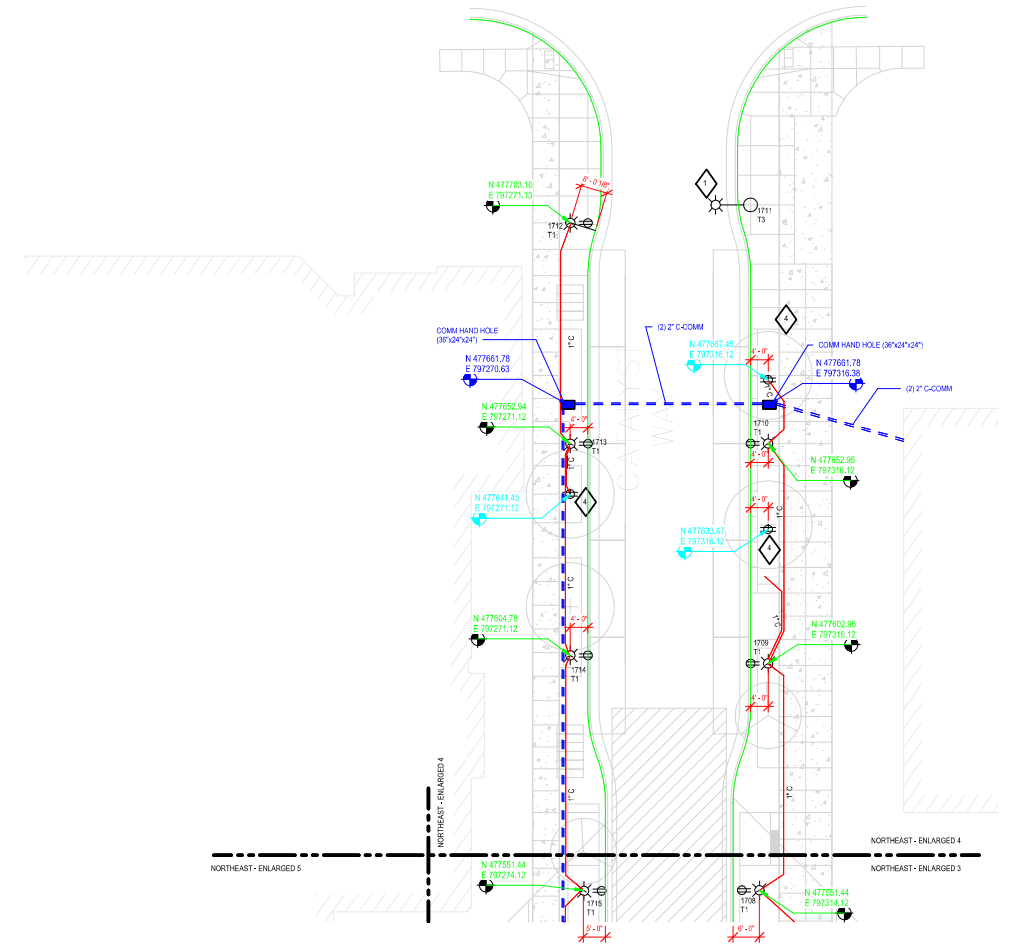
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Drawn/Designed By:	Job No.:
WESTPHAL & COMPANY	22400022
1/16" = 1'-0"	Issue:
06/06/23	DATE:

ELECTRICAL RACEWAY SITE PLAN - ENLARGED 1 & 2
Sheet
E1.04A



1 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 3
1/16" = 1'-0"



2 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 4
1/16" = 1'-0"

GENERAL NOTES

1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARD SPECIFICATIONS.
2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPTACLES WITH RELAY QUANTITY AS REQUIRED.
3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 200A, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE ALL-IN-ONE ASSEMBLY.
5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
6. PROVIDE (2) #6, #10S FOR ALL LIGHTING CIRCUITS.
7. ALL RECEPTACLE CIRCUITS SHALL BE (2) #4, #6S EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2) #6, #6S.
8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY, UNLESS NOTED OTHERWISE.
10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◇ CITY OF MADISON LIGHT POLE. ALL WORK ASSOCIATED WITH LIGHT POLE (LIGHT POLE, BASE, CONDUIT, WIRING, TRENCHING ETC.) TO BE PERFORMED BY MUE AND CITY OF MADISON.
- ◇ NEW ELECTRICAL SERVICE CONSISTING OF A UTILITY METER SOCKET, PANELBOARD WITH INTEGRATED LIGHTING CONTROLS. PANELBOARD SHALL BE EATON POW-R-COMM PANEL OR EQUAL.
- ◇ PROVIDE HANDHOLE IN GREEN SPACE BETWEEN CURB AND SIDEWALK. HANDHOLE SHALL BE QUARTZITE CAT# PC121220124 OR EQUAL.
- ◇ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL W/INS-NUSE COVER AS INDICATED. PROVIDE ATTACHMENT TO PLANTER WALL/CURB, TREE GRATE, OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
- ◇ LIGHT POLE TO BE FED FROM EXACT SCIENCE BUILDING SITE LIGHTING CIRCUIT.
- ◇ UNDERGROUND CONDUIT BELOW ROADWAY CONSIST OF (2) 2 1/2" C-PWR, (2) 4" C-COMM
- ◇ ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY

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(608) 963-8016 • 14 Marsh Court Madison WI 53718

Westphal & Company
electrical construction
MADISON, WI 53718
TELEPHONE (608) 222-9195

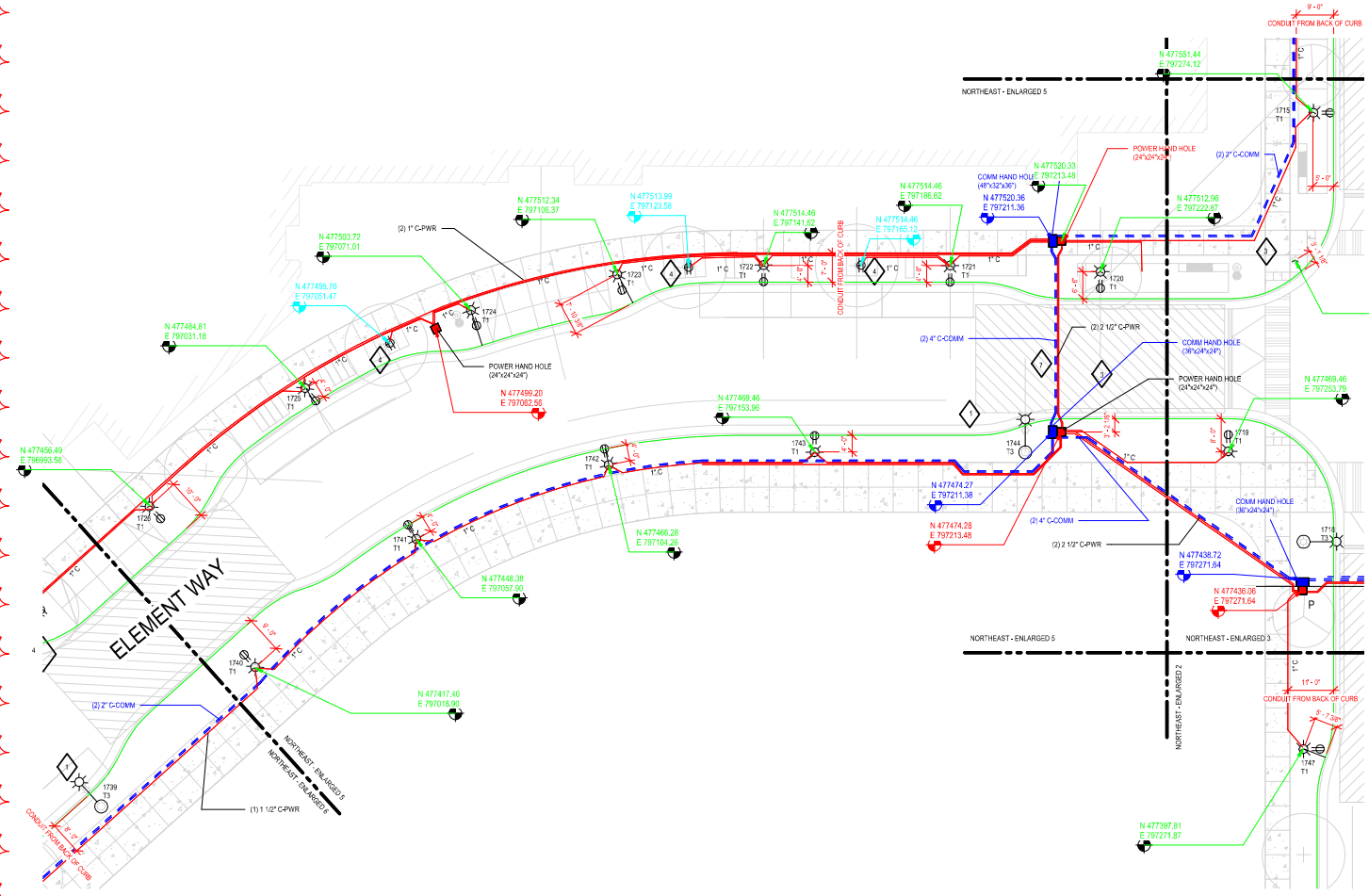
GMP URP ELEMENT LABS
ROADWAY LIGHTING PROJECT

Drawn/Designed By:	Job No.:
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Scale:	1/16" = 1'-0"
Date:	06/06/23

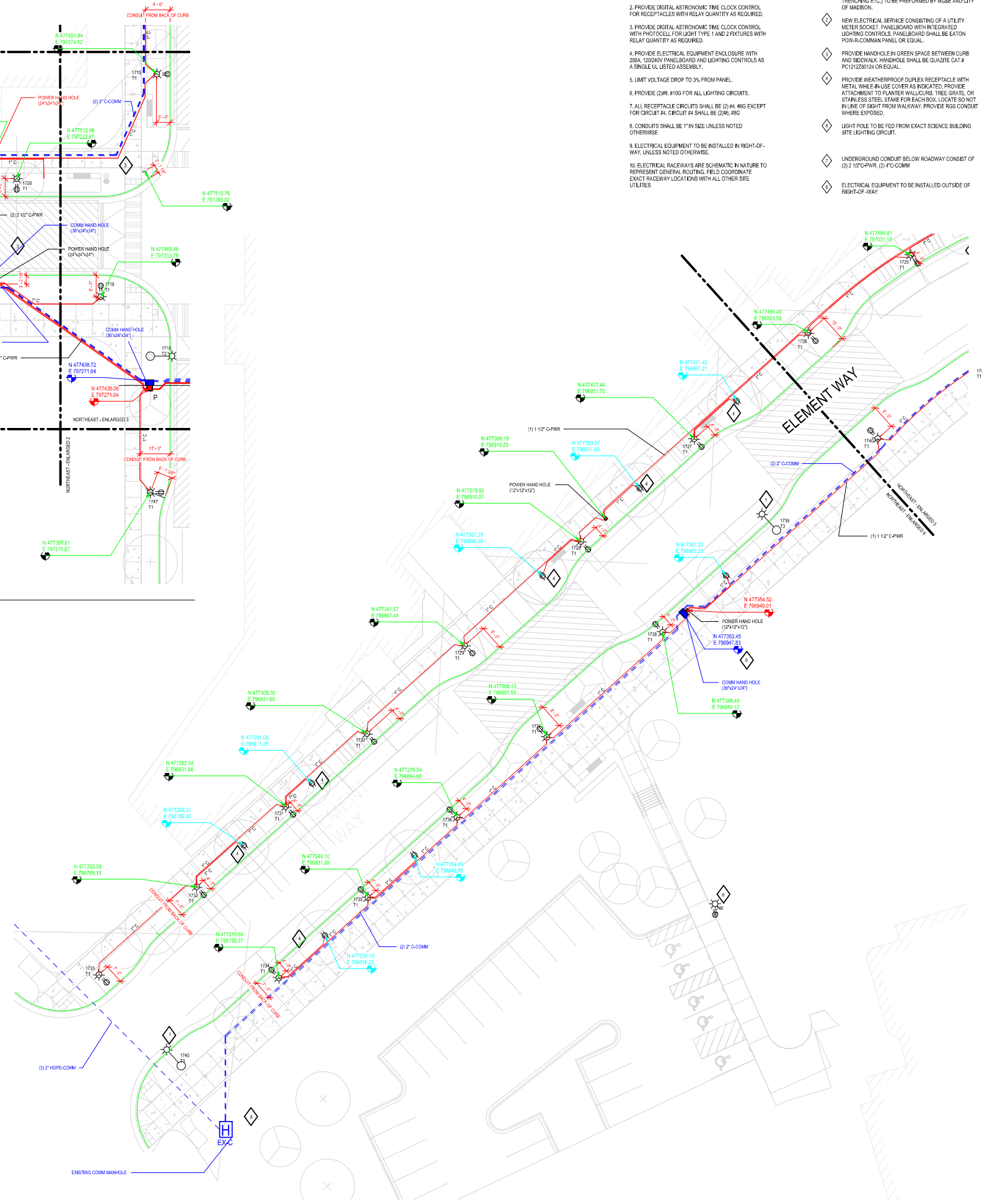
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Drawn/Designed By: Job No. 2240022
Checked By: 1/16" = 1'-0"
Date: 06/06/23
ELECTRICAL RACEWAY SITE PLAN - ENLARGED 3&4

Sheet: E1.04B



1 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 5
1/16" = 1'-0"



2 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 6
1/16" = 1'-0"

GENERAL NOTES

1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARDS SPECIFICATIONS.
2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPTACLES WITH RELAY QUANTITY AS REQUIRED.
3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 200A, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE UL LISTED ASSEMBLY.
5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
6. PROVIDE (2) #8 #10G FOR ALL LIGHTING CIRCUITS.
7. ALL RECEPTACLE CIRCUITS SHALL BE (2) #4 #6G EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2) #6 #8G.
8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY, UNLESS NOTED OTHERWISE.
10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◇ CITY OF MADISON LIGHT POLE ALL WORK ASSOCIATED WITH LIGHT POLE (LIGHT POLE BASE, CONDUIT, WIRING, TRENCHING ETC.) TO BE PERFORMED BY M&E AND CITY OF MADISON.
- ◇ NEW ELECTRICAL SERVICE CONSISTING OF A UTILITY METER SOCKET, PANELBOARD WITH INTEGRATED LIGHTING CONTROLS. PANELBOARD SHALL BE EATON POW-R-COMM PANEL OR EQUAL.
- ◇ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL WHILE-IN-USE COVER AS INDICATED. PROVIDE ATTACHMENT TO PLANTER WALL CURB, TREE GRATE, OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
- ◇ LIGHT POLE TO BE FED FROM EXACT SCIENCE BUILDING SITE LIGHTING CIRCUIT.
- ◇ UNDERGROUND CONDUIT BELOW ROADWAY CONSIST OF (2) 2" CPWR, (2) 4" C-COMM
- ◇ ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY.



GMP URP ELEMENT LABS
ROADWAY LIGHTING PROJECT

Rev	01/23
Desc	ELECTRIFICATION

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Drawn/Designed By: Job No. WESTPHAL & COMPANY INC. 2240022
1/16" = 1'-0"
Date: 05/26/23
ELECTRICAL RACEWAY SITE PLAN - ENLARGED 5&6

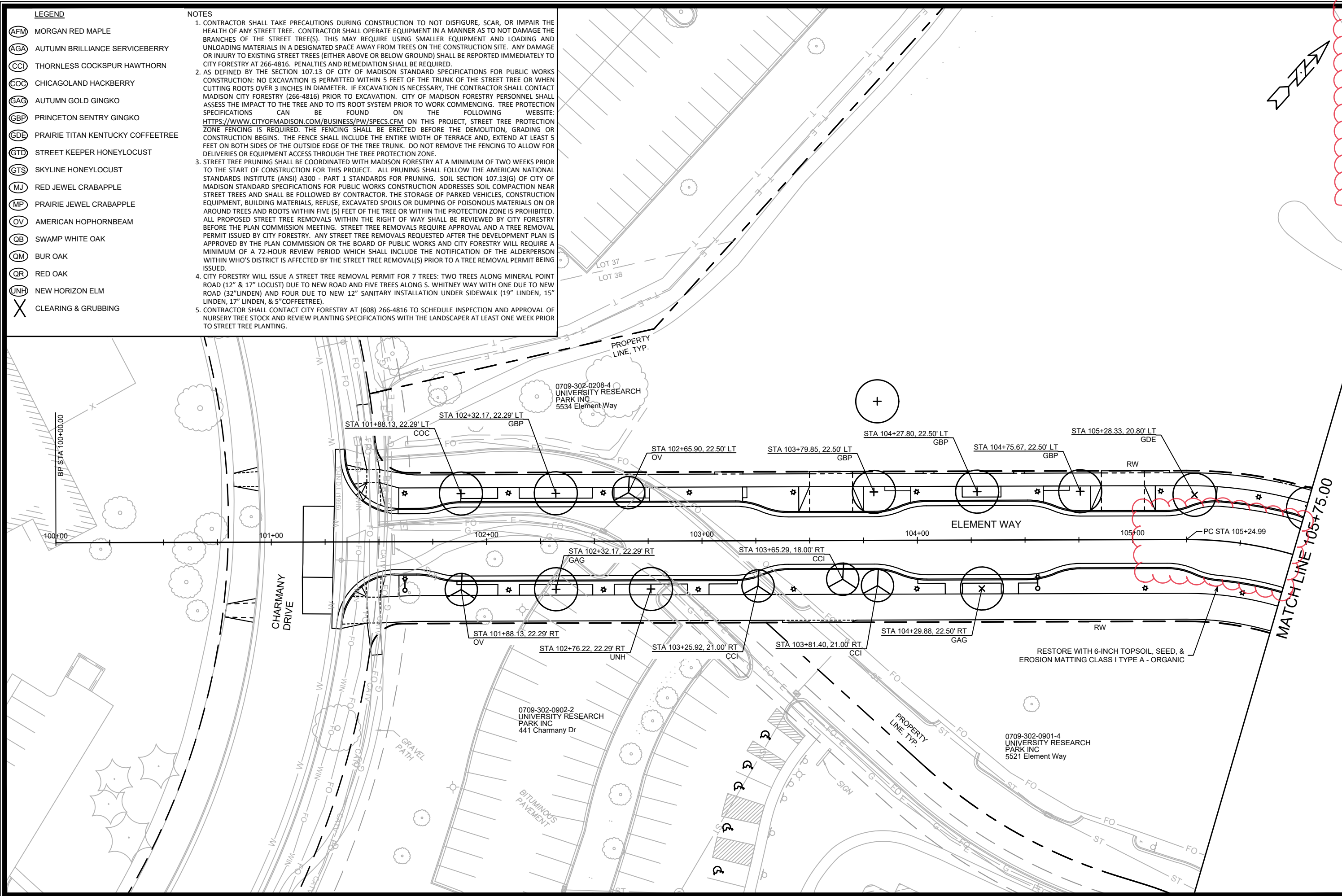
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LEGEND

- (AFM) MORGAN RED MAPLE
- (AGA) AUTUMN BRILLIANCE SERVICEBERRY
- (CCI) THORNLESS COCKSPUR HAWTHORN
- (COC) CHICAGOLAND HACKBERRY
- (GAG) AUTUMN GOLD GINGKO
- (GBP) PRINCETON SENTRY GINGKO
- (GDE) PRAIRIE TITAN KENTUCKY COFFEETREE
- (GTD) STREET KEEPER HONEYLOCUST
- (GTS) SKYLINE HONEYLOCUST
- (MJ) RED JEWEL CRABAPPLE
- (MP) PRAIRIE JEWEL CRABAPPLE
- (OV) AMERICAN HOPHORNBEAM
- (QB) SWAMP WHITE OAK
- (QM) BUR OAK
- (QR) RED OAK
- (UNH) NEW HORIZON ELM
- X CLEARING & GRUBBING

NOTES

1. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
2. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/BUSINESS/PW/SPECS.CFM) ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
3. STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING. SOIL SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
4. CITY FORESTRY WILL ISSUE A STREET TREE REMOVAL PERMIT FOR 7 TREES: TWO TREES ALONG MINERAL POINT ROAD (12" & 17" LOCUST) DUE TO NEW ROAD AND FIVE TREES ALONG S. WHITNEY WAY WITH ONE DUE TO NEW ROAD (32" LINDEN) AND FOUR DUE TO NEW 12" SANITARY INSTALLATION UNDER SIDEWALK (19" LINDEN, 15" LINDEN, 17" LINDEN, & 5" COFFEETREE).
5. CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING.



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CONTRACT NO: 9003

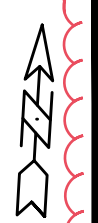
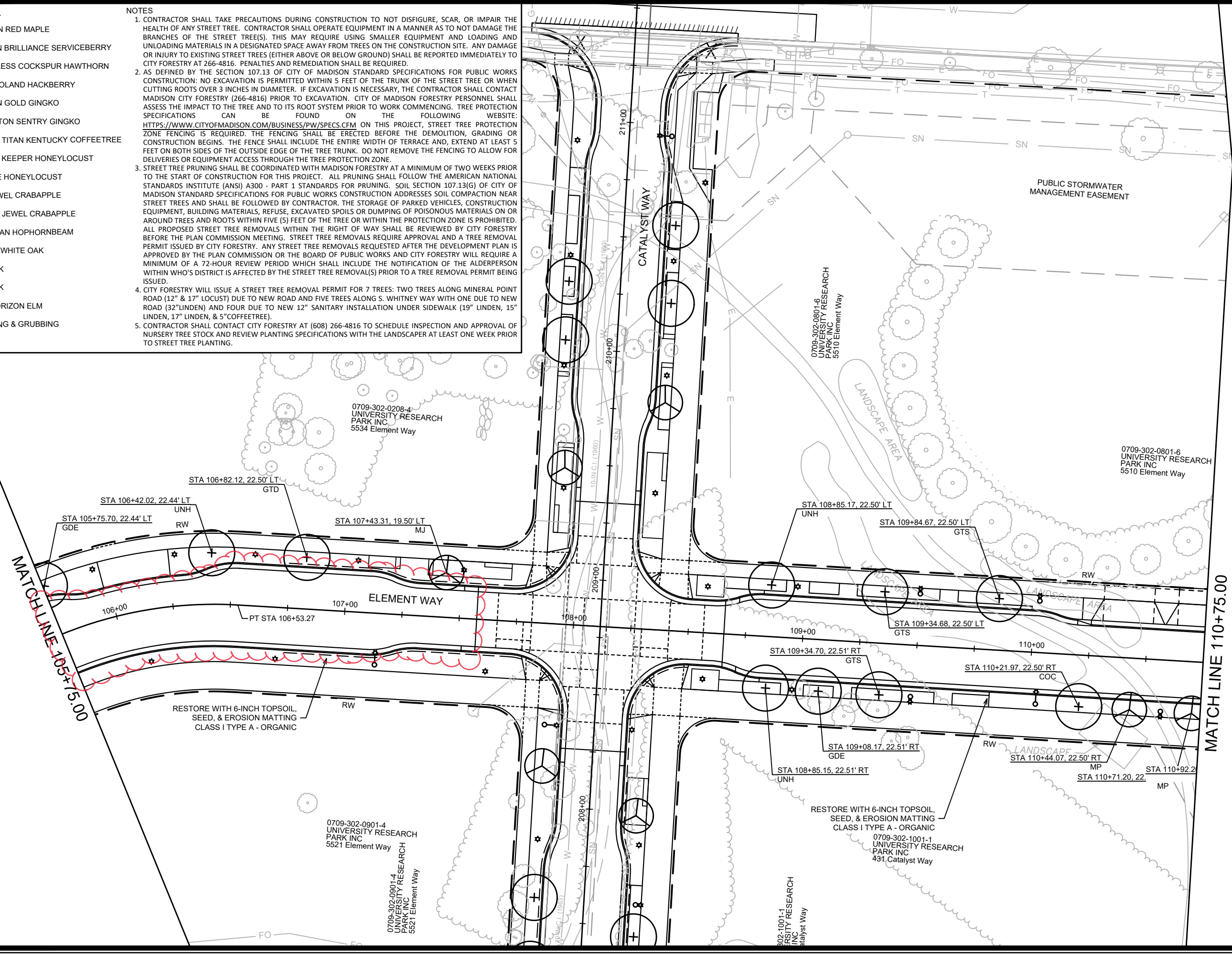
ELEMENT WAY LANDSCAPING PLAN
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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LEGEND	
(AFM)	MORGAN RED MAPLE
(AGA)	AUTUMN BRILLIANCE SERVICEBERRY
(CCI)	THORNLESS COCKSPUR HAWTHORN
(COC)	CHICAGOLAND HACKBERRY
(GAG)	AUTUMN GOLD GINGKO
(GBP)	PRINCETON SENTRY GINGKO
(GDE)	PRAIRIE TITAN KENTUCKY COFFEETREE
(GTD)	STREET KEEPER HONEYLOCUST
(GTS)	SKYLINE HONEYLOCUST
(MJ)	RED JEWEL CRABAPPLE
(MP)	PRAIRIE JEWEL CRABAPPLE
(OV)	AMERICAN HOPHORNBEAM
(QB)	SWAMP WHITE OAK
(QM)	BUR OAK
(QR)	RED OAK
(UNH)	NEW HORIZON ELM
X	CLEARING & GRUBBING

NOTES

- CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
- AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm) ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
- STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING. SOIL SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
- CITY FORESTRY WILL ISSUE A STREET TREE REMOVAL PERMIT FOR 7 TREES: TWO TREES ALONG MINERAL POINT ROAD (12" & 17" LOCUST) DUE TO NEW ROAD AND FIVE TREES ALONG S. WHITNEY WAY WITH ONE DUE TO NEW ROAD (32" LINDEN) AND FOUR DUE TO NEW 12" SANITARY INSTALLATION UNDER SIDEWALK (19" LINDEN, 15" LINDEN, 17" LINDEN, & 5" COFFEETREE).
- CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING.



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ELEMENT WAY LANDSCAPING PLAN
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

CONTRACT NO:

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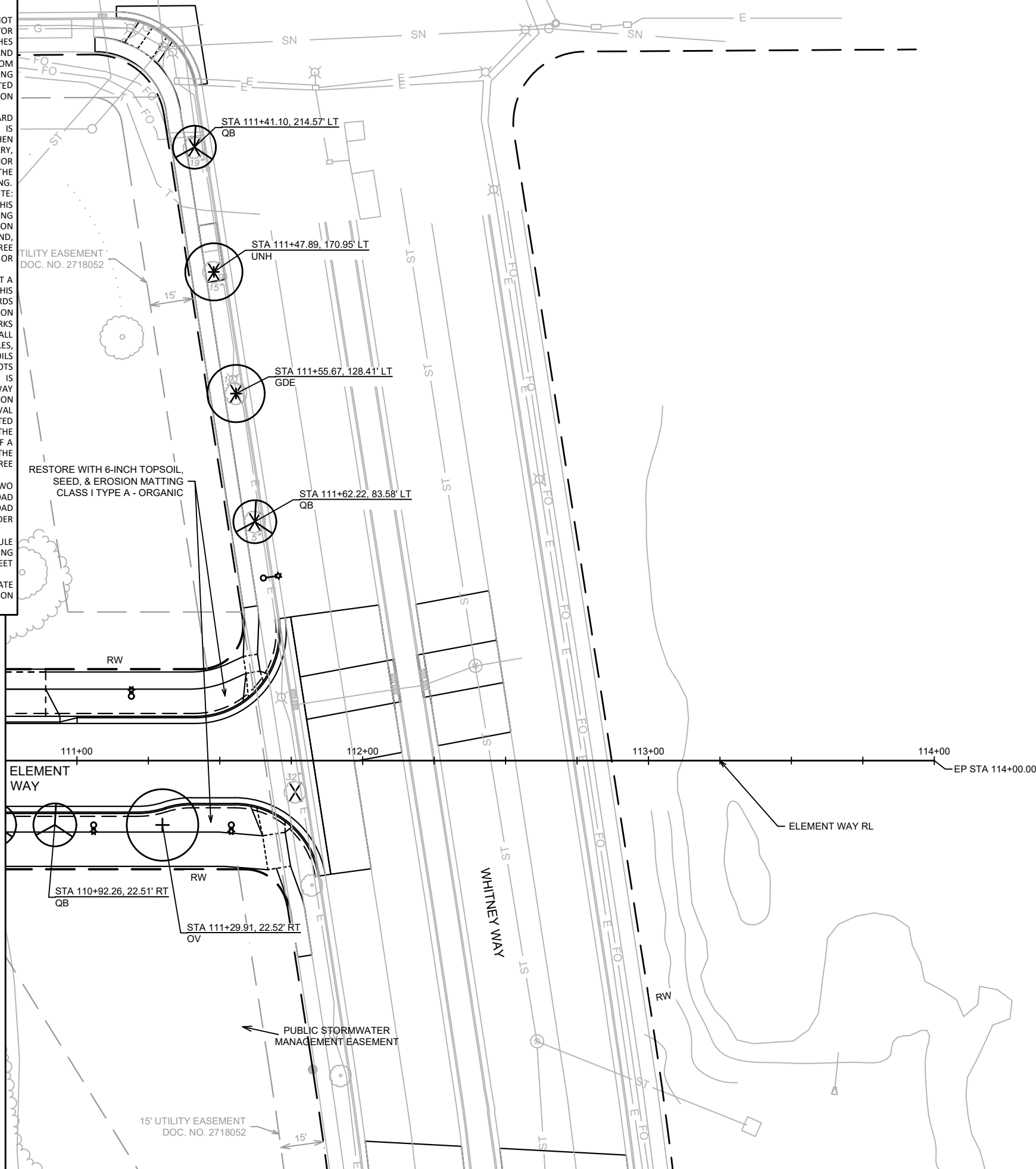
LEGEND


- (AFM) MORGAN RED MAPLE
- (AGA) AUTUMN BRILLIANCE SERVICEBERRY
- (CCI) THORNLESS COCKSPUR HAWTHORN
- (COC) CHICAGOLAND HACKBERRY
- (GAG) AUTUMN GOLD GINGKO
- (GBP) PRINCETON SENTRY GINGKO
- (GDE) PRAIRIE TITAN KENTUCKY COFFEETREE
- (GTD) STREET KEEPER HONEYLOCUST
- (GTS) SKYLINE HONEYLOCUST
- (MJ) RED JEWEL CRABAPPLE
- (MP) PRAIRIE JEWEL CRABAPPLE
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- (QB) SWAMP WHITE OAK
- (QM) BUR OAK
- (QR) RED OAK
- (UNH) NEW HORIZON ELM
- X CLEARING & GRUBBING

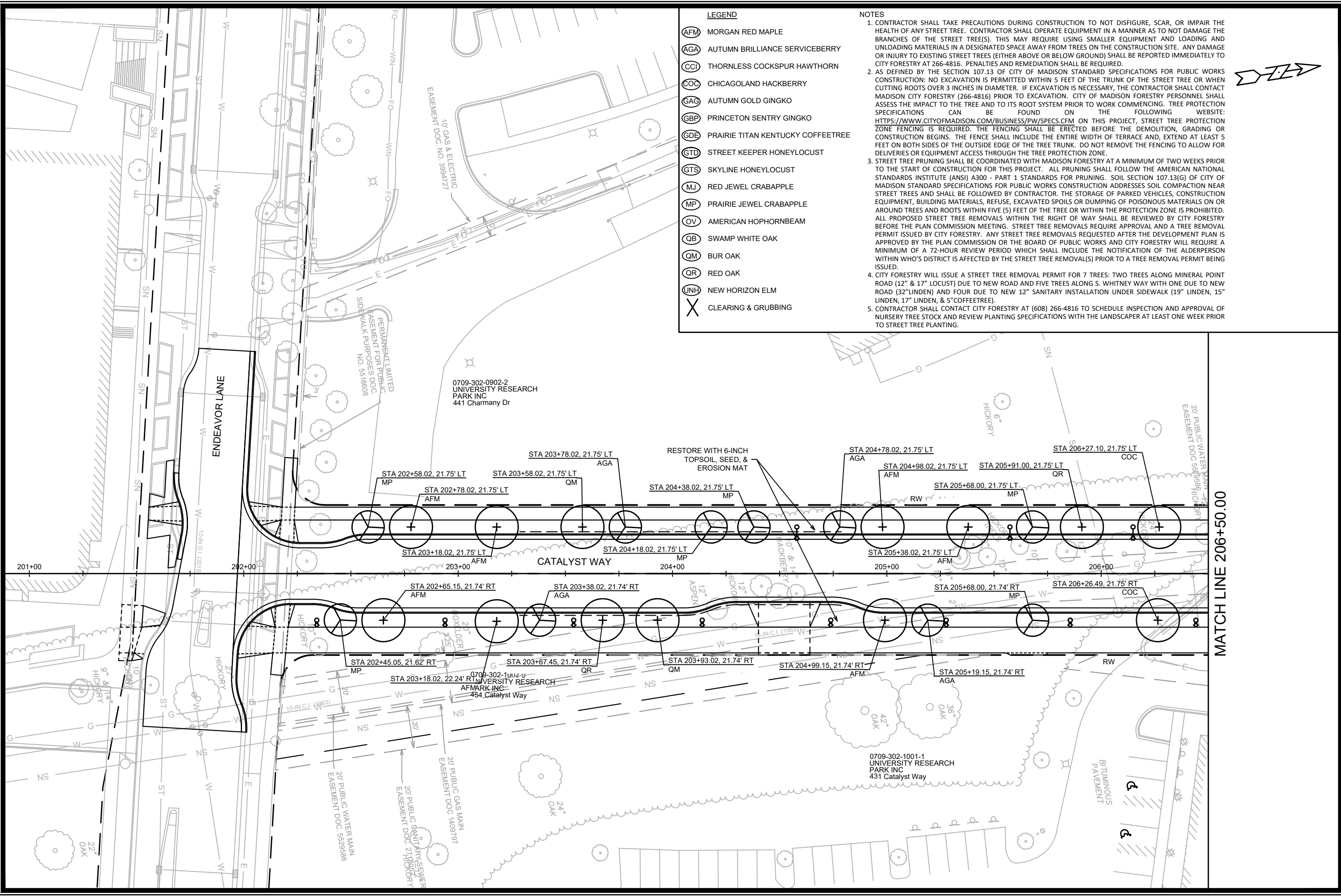
NOTES

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6. TREE REPLACEMENTS ALONG WHITNEY WAY SHALL BE INSTALLED BY THE PRIVATE DEVELOPER PER THE DIRECTION OF CITY FORESTRY INCLUDING TREE LOCATION AND SPECIES TYPE.

MATCH LINE 110+75.00



	<p>13355</p>	<p>L-3</p>	
<p>ELEMENT WAY LANDSCAPING PLAN</p>			
<p>UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE</p>			
<p>M:\DESIGN\Projects\13355\CAD\Streets\13355EN-Landscaping ElementWay.dwg</p>			
<p>13355</p>	<p>MADISON, WI</p>	<p>9003</p>	<p>CONTRACT NO:</p>
<p>DESIGNED BY: ALZ DATE: 6/07/2022 3:41 PM SCALE: 1" = 40' L-3</p>			



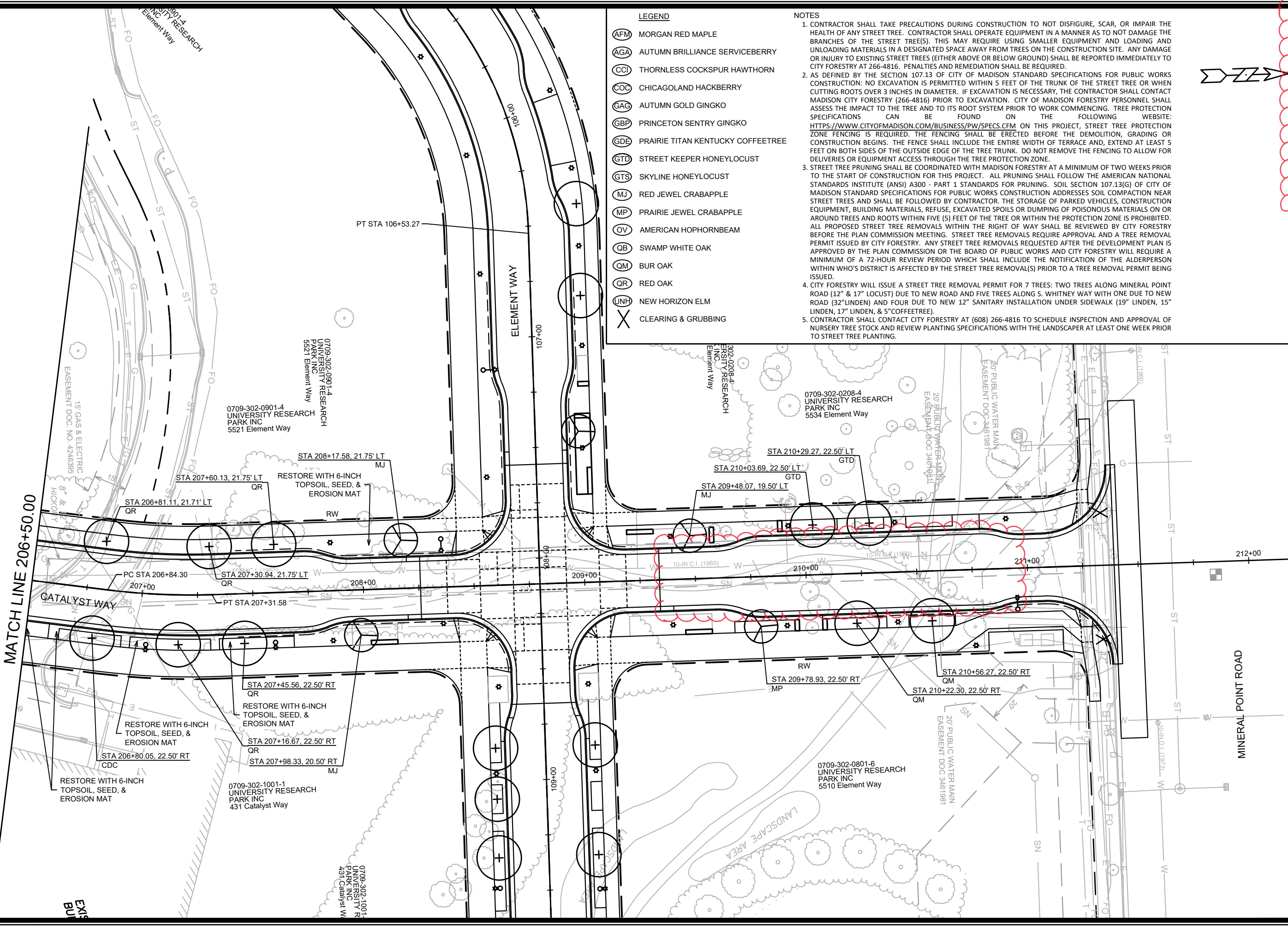
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- (AFM) MORGAN RED MAPLE
 - (AGA) AUTUMN BRILLIANCE SERVICEBERRY
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13355	MADISON, WI	9003	CONTRACT NO:
CATALYST WAY LANDSCAPING PLAN		UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE	
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13355		L-4	



- LEGEND**
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REV#	DATE	BY
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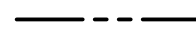

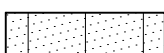

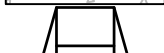

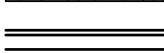
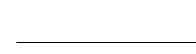






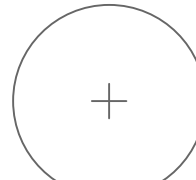
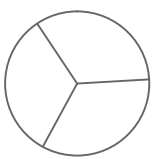



13355
MADISON, WI
9003

CATALYST WAY LANDSCAPING PLAN
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
CONTRACT NO:

13355
L-5

FILE: C:\Users\mhilmer\SmithGroup Companies Inc\PRJ - 12748 - SmithGroup - SmithGroup\CAD\06_Landscape\12748-L1.01_element.dwg USER: mhilmer DATE: May_05_2022 TIME: 02:29 pm

LEGEND

	PROPERTY LINE
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT 1 L5.01
	VEHICULAR CONCRETE PAVEMENT
	CURB RAMP
	CONCRETE UNIT PAVERS 1 L5.02
	CURB AND GUTTER
	CONTROL JOINT 1 L5.01
	TRASH RECEPTACLE
	RECYCLING RECEPTACLE
TW 861.50 	TOP OF WALL ELEVATION
BW 861.50 	BOTTOM OF WALL ELEVATION
PA 	PLANTING AREA
	EXISTING TREE TO REMAIN
	PROPOSED SHADE TREE
	PROPOSED ORNAMENTAL TREE
	LIGHT TYPE 1 - PEDESTRIAN
	LIGHT TYPE 2 - MULTIUSE TRAIL
	LIGHT TYPE 3 - STREET LIGHT (FINAL LOCATIONS PER MG+E)

KEYED NOTES

BIKE RACKS 4 L5.01
B CYCLE STATION - BY OTHERS
STEEL PLANTER WALL 1 L5.05 1 L5.06
STONE SEATWALL 1 L5.08
STONE SEATWALL WITH BENCH 1 L5.07
TREE GRATE 1 L5.03 1 L5.04

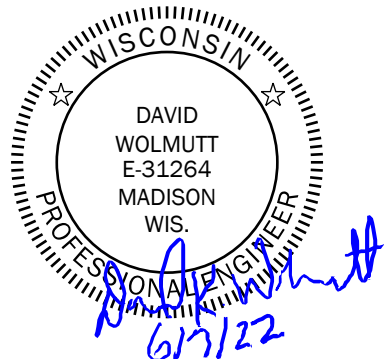
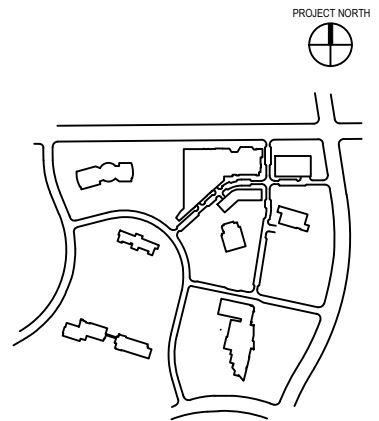
GENERAL NOTES

1. L-SERIES SHEETS INCLUDE LAYOUT, MATERIAL, AND DETAIL INFORMATION FOR IMPROVEMENTS BETWEEN BACK-OF-CURB AND EDGE-OF-ROW. REFER TO CITY OF MADISON SHEETS FOR VEHICULAR IMPROVEMENTS AND UTILITIES WITHIN THE RIGHT-OF-WAY.
2. IMPROVEMENTS OUTSIDE OF THE PUBLIC WAY ARE INDICATED FOR REFERENCE ONLY.
3. REFER TO CITY OF MADISON SHEETS FOR LOCATIONS OF IMPROVEMENTS RELATIVE TO STATION LINES.
4. CURB RAMPS AND DETECTABLE WARNING FIELDS PER CITY OF MADISON STANDARD DETAIL DRAWINGS AND SPECIFICATIONS.
5. PROVIDE EXPANSION JOINTS PER CITY OF MADISON STANDARD SPECIFICATIONS. PROVIDE JOINTING PLAN FOR REVIEW AND APPROVAL
6. SEE 1/5.09 FOR TYPE 1 AND TYPE 2 LIGHT POLE FOOTING.

SMITHGROUP

44 EAST MIFFLIN STREET
SUITE 500
MADISON, WI 53703
608.251.1177
www.smithgroup.com

KEY PLAN

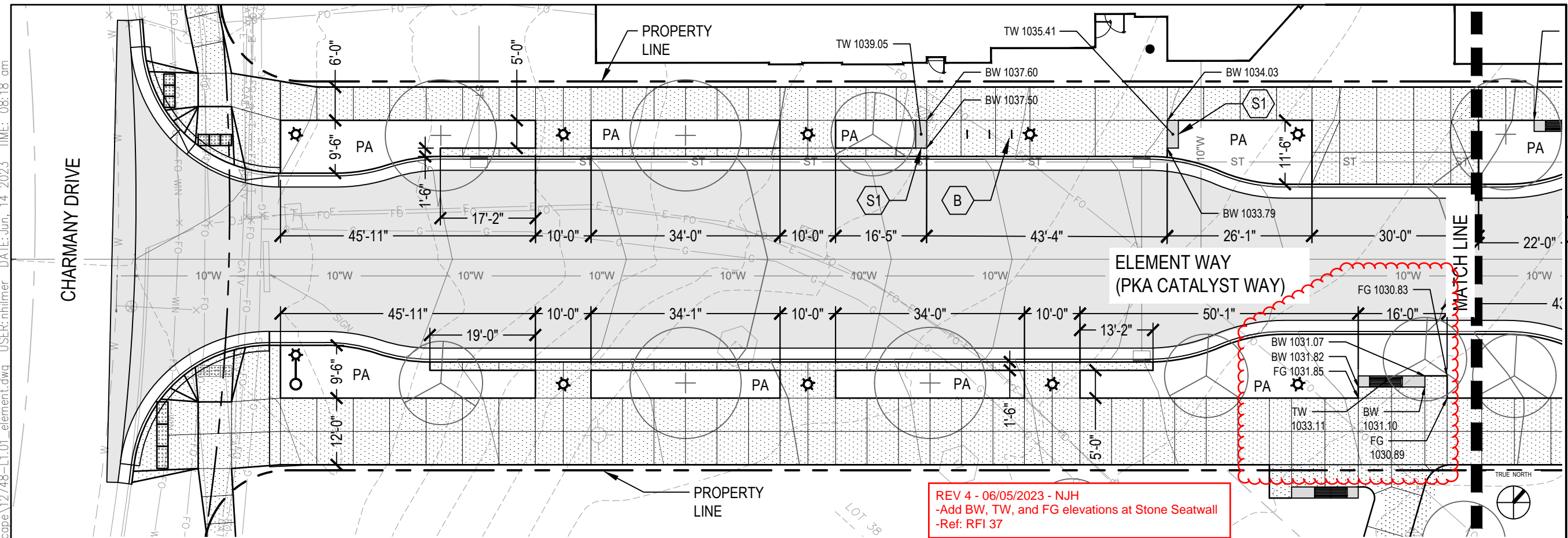


LEGEND AND NOTES

DRAWING TITLE	
IFC	
ISSUED WITH	
DRAWING REFERENCE	
DRAWING SCALE	
06/07/2022	
URP - ELEMENT	
COLLECTIVE	
PROJECT NAME	
12748	
PROJECT NUMBER	
L2.00	
DRAWING NUMBER	

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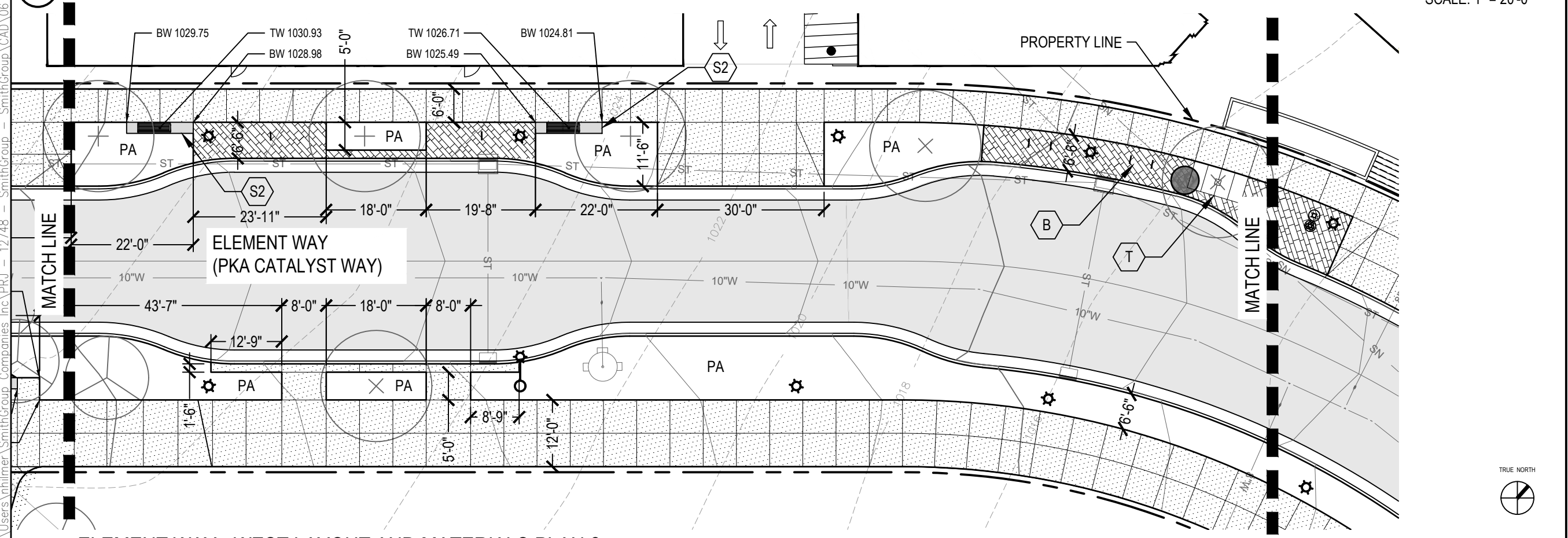


ELEMENT WAY
(PKA CATALYST WAY)

REV 4 - 06/05/2023 - NJH
-Add BW, TW, and FG elevations at Stone Seatwall
-Ref: RFI 37

1 ELEMENT WAY - LAYOUT AND MATERIALS PLAN 1

SCALE: 1" = 20'-0"



ELEMENT WAY
(PKA CATALYST WAY)

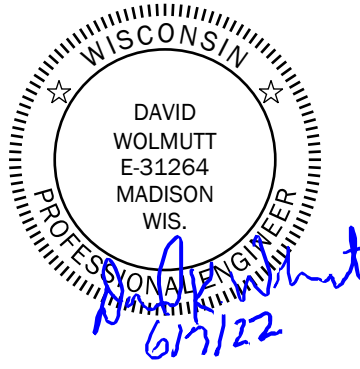
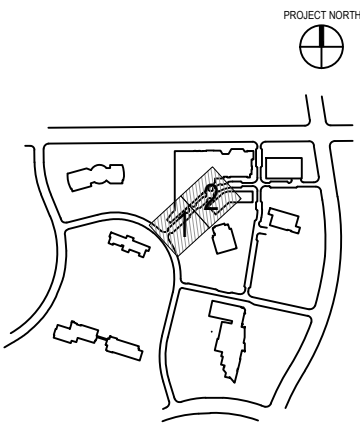
2 ELEMENT WAY - WEST LAYOUT AND MATERIALS PLAN 2

SCALE: 1" = 20'-0"

SMITHGROUP

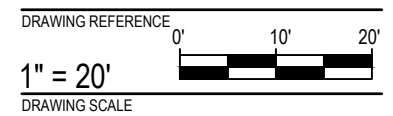
44 EAST MIFFLIN STREET
SUITE 500
MADISON, WI 53703
608.251.1177
www.smithgroup.com

KEY PLAN



STREETSCAPE LAYOUT
AND MATERIALS PLAN
DRAWING TITLE

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ISSUED WITH



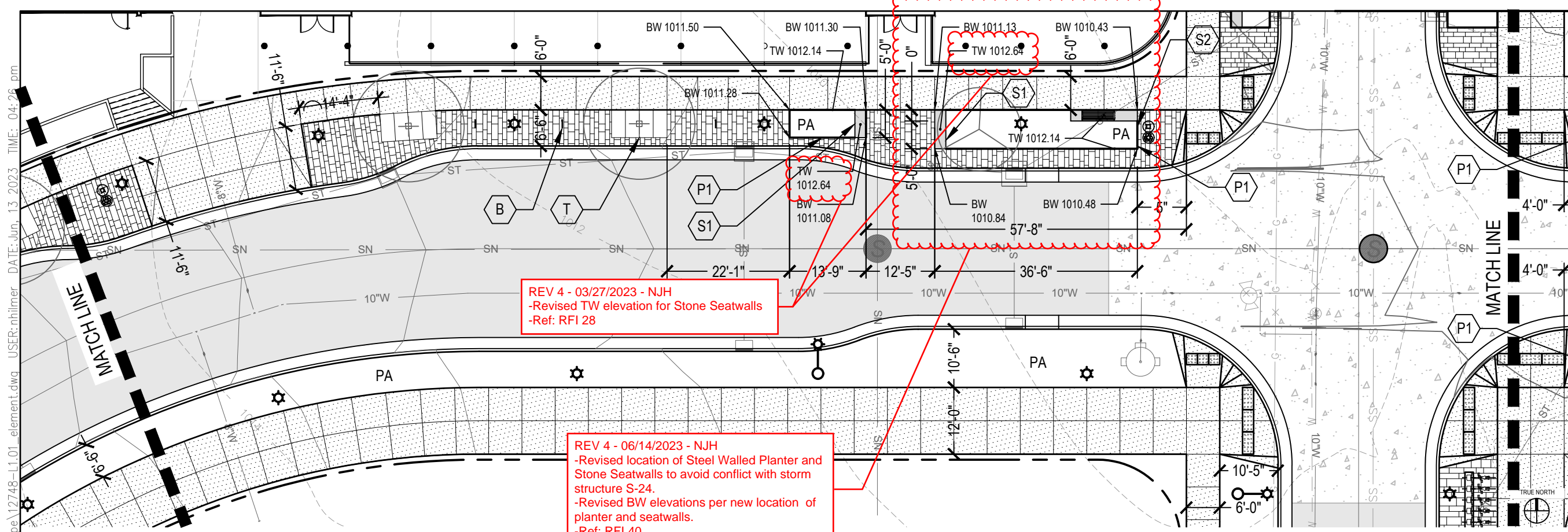
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COLLECTIVE
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PROJECT NUMBER

L2.01
DRAWING NUMBER

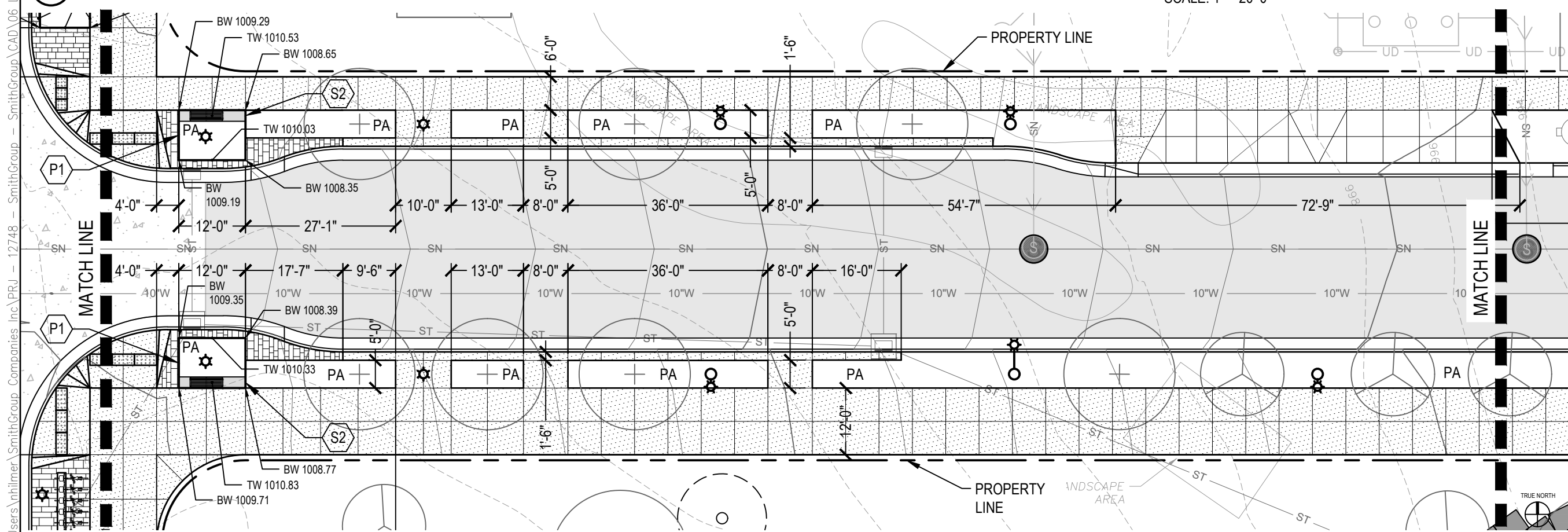
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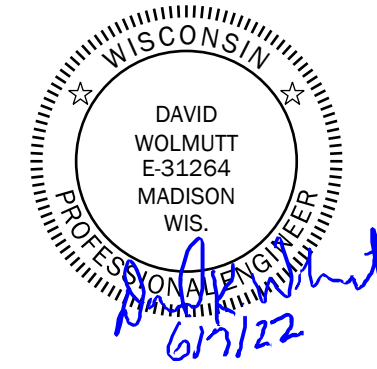
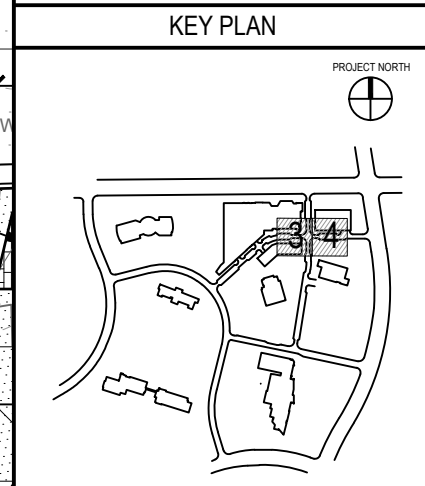
1 ELEMENT WAY - LAYOUT AND MATERIALS PLAN 3

SCALE: 1" = 20'-0"



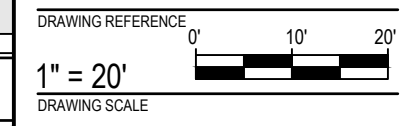
2 ELEMENT WAY - LAYOUT AND MATERIALS PLAN 4

SCALE: 1" = 20'-0"



STREETSCAPE LAYOUT AND MATERIALS PLAN

DRAWING TITLE
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12748
PROJECT NUMBER

L2.02
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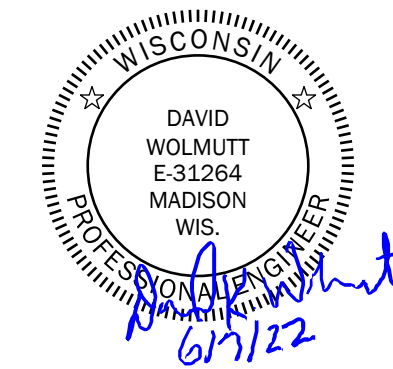
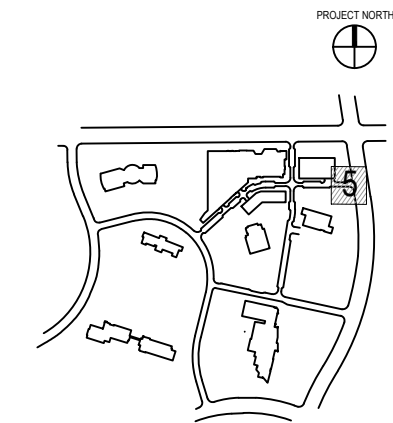
1 CATALYST WAY - LAYOUT AND MATERIALS PLAN 5

SCALE: 1" = 20'-0"

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KEY PLAN



STREETSCAPE LAYOUT AND MATERIALS PLAN

DRAWING TITLE

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DRAWING REFERENCE

1" = 20'

DRAWING SCALE

06/07/2022
URP - ELEMENT

COLLECTIVE
PROJECT NAME

12748
PROJECT NUMBER

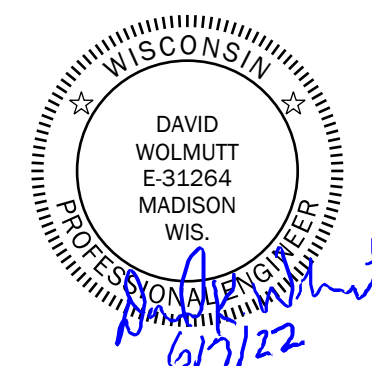
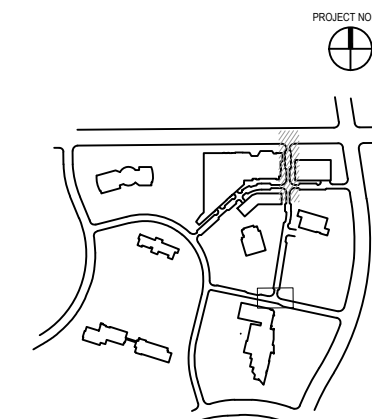
L2.03
DRAWING NUMBER



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KEY PLAN



STREETSCAPE LAYOUT AND MATERIALS PLAN

DRAWING TITLE

IFC

ISSUED WITH

DRAWING REFERENCE

1" = 20'

DRAWING SCALE

06/07/2022

URP - ELEMENT COLLECTIVE

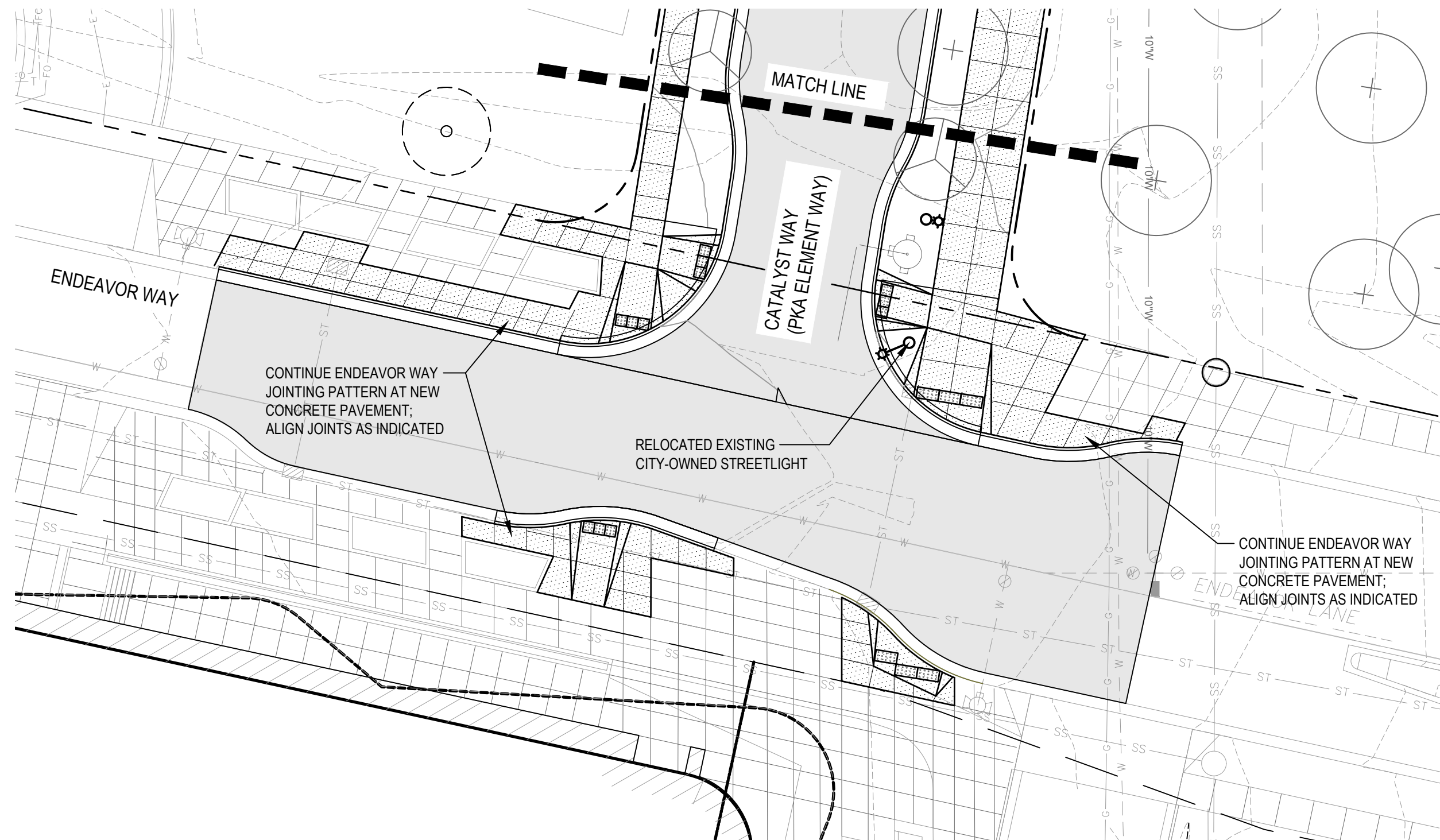
PROJECT NAME

12748

PROJECT NUMBER

L2.04

DRAWING NUMBER



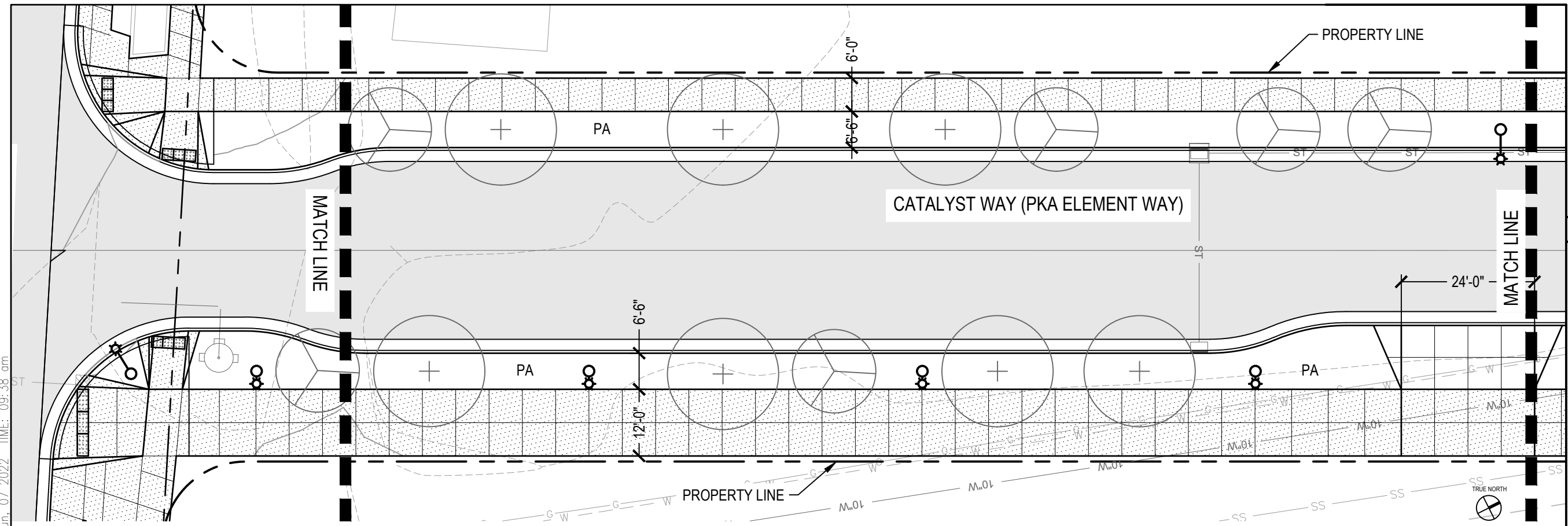
1 CATALYST WAY AT ENDEAVOR

SCALE: 1" = 20'-0"

FILE: C:\Users\nhilmer\appdata\local\temp\AcPublish_10532\12748-L1.01_element.dwg USER: nhilmer DATE: Jun_07_2022 TIME: 09:38 am

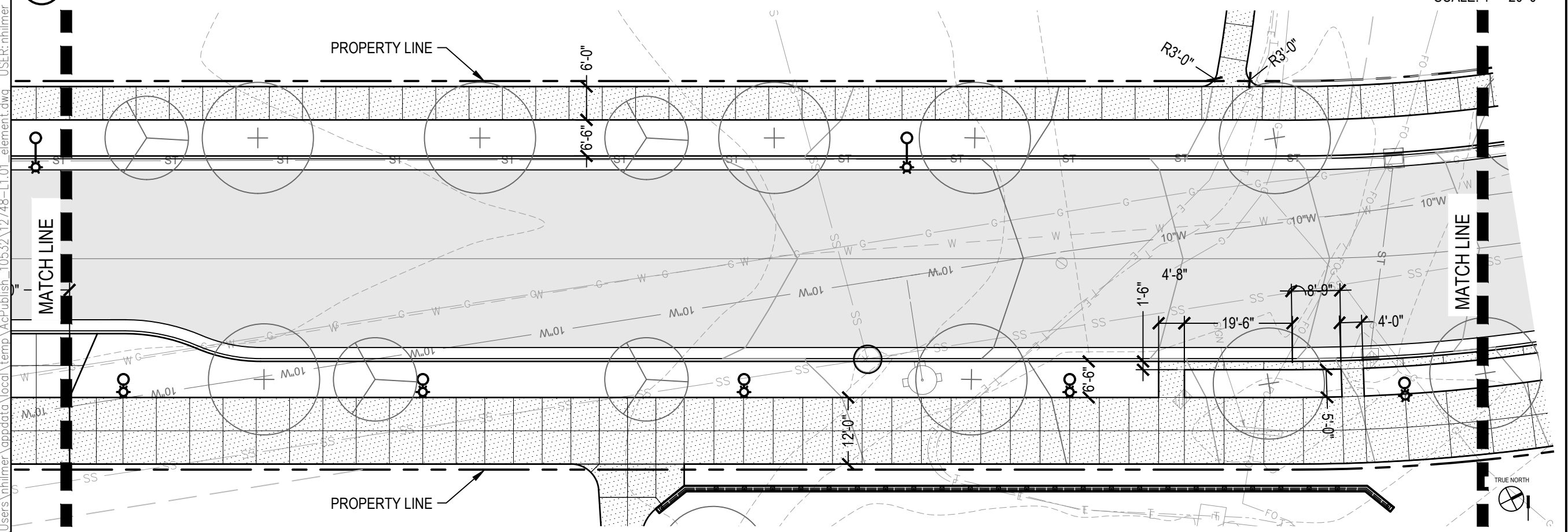
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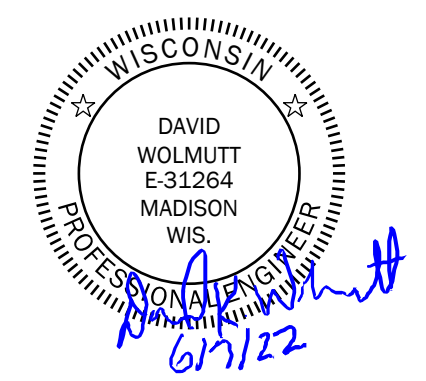
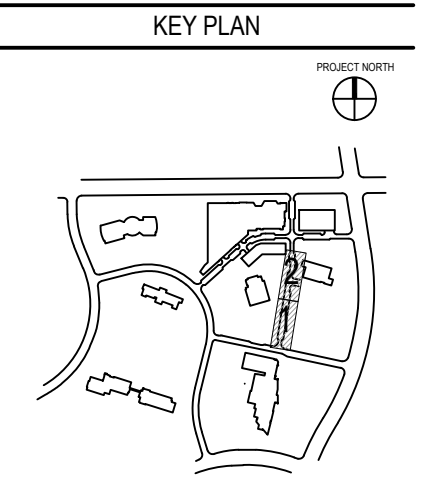
1 CATALYST WAY - LAYOUT AND MATERIALS PLAN 1

SCALE: 1" = 20'-0"



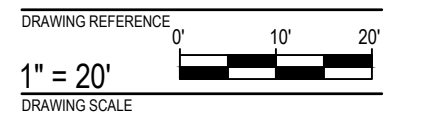
2 CATALYST WAY - LAYOUT AND MATERIALS PLAN 2

SCALE: 1" = 20'-0"



STREETSCAPE LAYOUT
AND MATERIALS PLAN
DRAWING TITLE

IFC
ISSUED WITH



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COLLECTIVE
PROJECT NAME

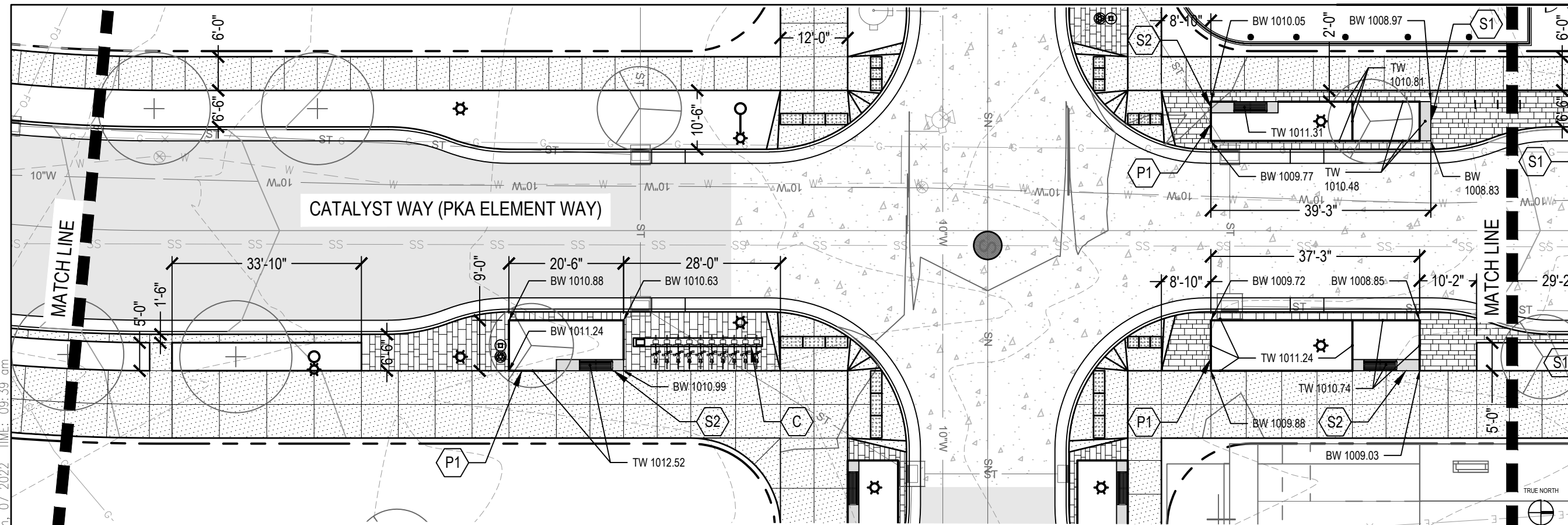
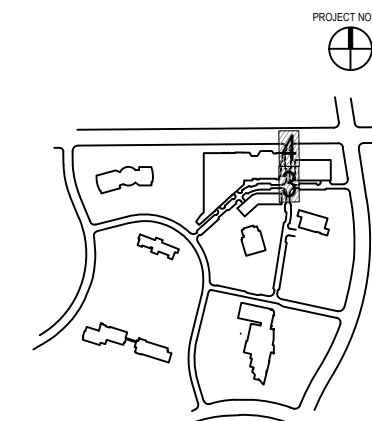
12748
PROJECT NUMBER

L2.05
DRAWING NUMBER

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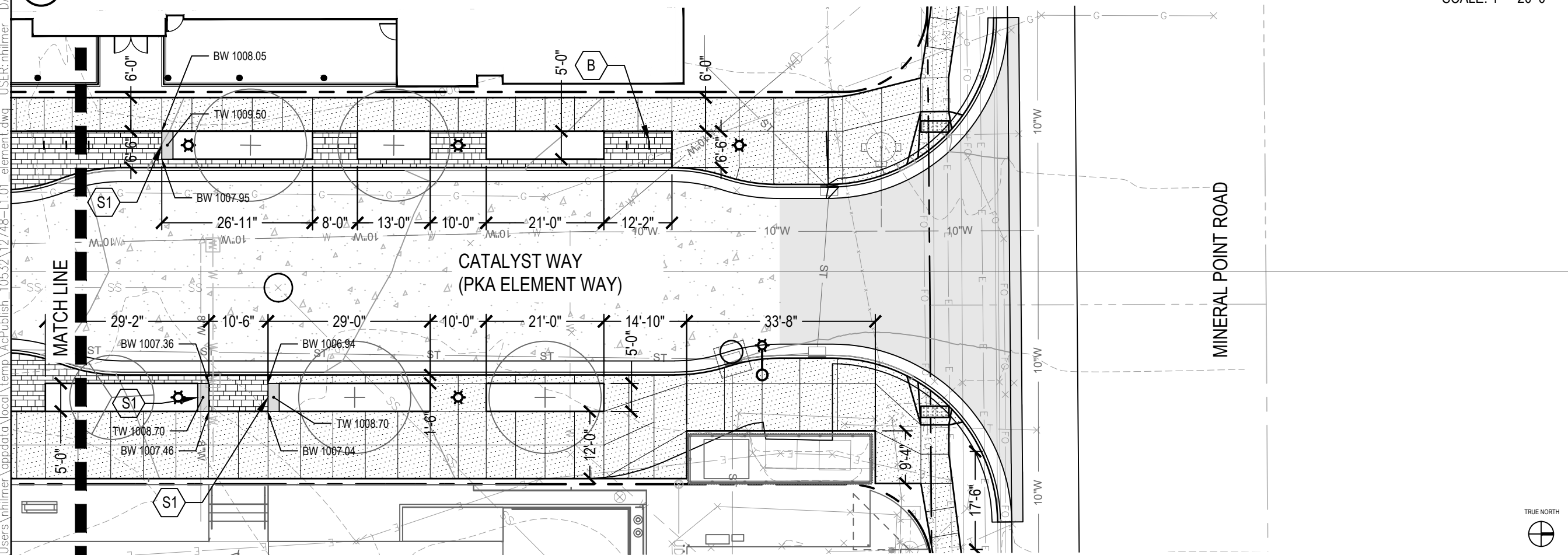
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KEY PLAN



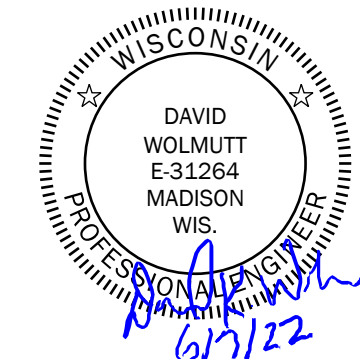
1 CATALYST WAY - LAYOUT AND MATERIALS PLAN 3

SCALE: 1" = 20'-0"



4 CATALYST WAY - LAYOUT AND MATERIALS PLAN 4

SCALE: 1" = 20'-0"

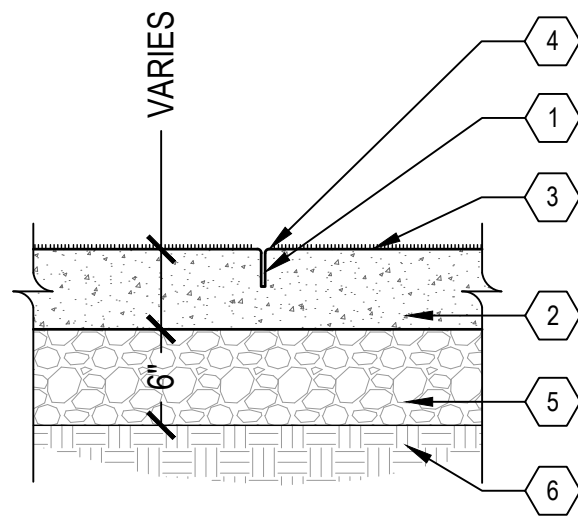


STREETSCAPE LAYOUT AND MATERIALS PLAN

DRAWING TITLE	STREETSCAPE LAYOUT AND MATERIALS PLAN
IFC	ISSUED WITH
DRAWING REFERENCE	0' 10' 20'
DRAWING SCALE	1" = 20'
DATE	06/07/2022
PROJECT NAME	URP - ELEMENT COLLECTIVE
PROJECT NUMBER	12748
DRAWING NUMBER	L2.06

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FILE: C:\Users\mhilmer\SmithGroup Companies Inc\PRJ - 12748 - SmithGroup\CAD\06 Landscape\12748-L5.00.dwg USER: mhilmer DATE: Apr. 24, 2022 TIME: 09:52 pm



- 1 1/8" W TOOLED CONTROL JOINT - SEE NOTE 1
- 2 CONCRETE PAVEMENT
5" THICKNESS FOR SIDEWALKS AND PATHWAYS
7" THICKNESS FOR APRONS AND DRIVEWAYS
- 3 MEDIUM BROOM FINISH PERPENDICULAR TO THE DIRECTION OF TRAVEL - SEE NOTE 2
- 4 1/4" RADIUS ALL JOINT AND SLAB EDGES
- 5 DENSE GRADED BASE
- 6 COMPACTED SUBGRADE

NOTES:

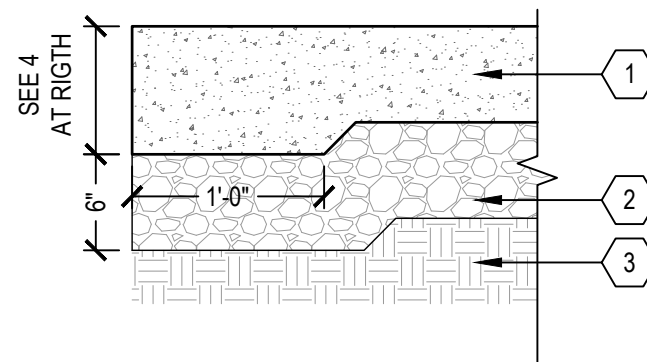
1. JOINT DEPTH = 1/3 SLAB DEPTH. TOOL JOINTS TO DEPTH OR SAWCUT TOOLED JOINTS AS REQUIRED.
2. NO SHINER BANDS / WINDOWPANNING AT CONCRETE PAVEMENT JOINTS.
3. ALL VERTICAL FACES OF CONCRETE PAVEMENT TO BE FULLY-FORMED FOR THE ENTIRE DEPTH OF THE SLAB.

1 CONCRETE PAVEMENT

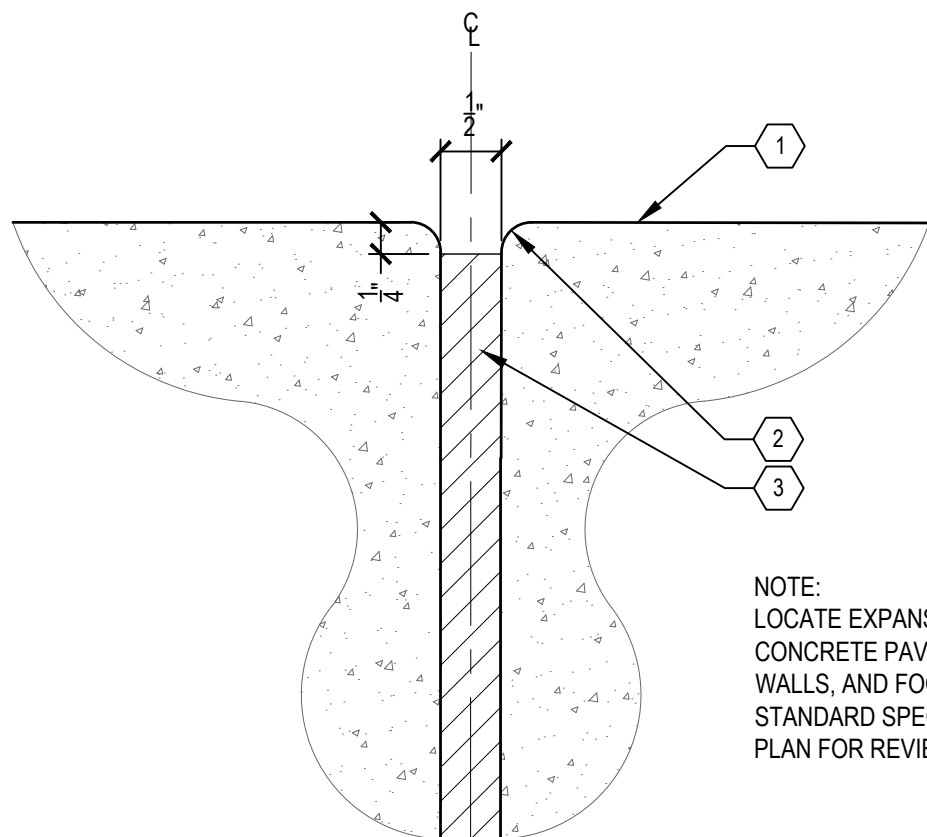
SCALE: 1" = 1'-0"

2 CONCRETE PAVEMENT THICKENED EDGE

SCALE: 1" = 1'-0"



- 1 CONCRETE PAVEMENT (L5.01)
- 2 6" DENSE GRADED BASE
- 3 COMPACTED SUBGRADE
- 4 8" MIN DEPTH WHERE DOWELS OR ANCHORAGES ARE REQUIRED, OR AS DETAILED

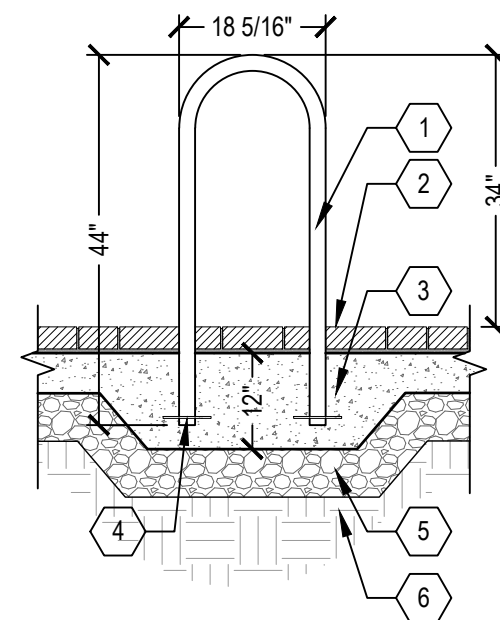


- 1 PAVEMENT SURFACE
- 2 1/4" RADIUS
- 3 PREFORMED EXPANSION JOINT MATERIAL

NOTE:
LOCATE EXPANSION JOINTS PER DETAILS, WHERE CONCRETE PAVEMENT ABUTS FOUNDATIONS, WALLS, AND FOOTINGS, AND PER CITY OF MADISON STANDARD SPECIFICATIONS. PROVIDE JOINTING PLAN FOR REVIEW AND APPROVAL.

3 EXPANSION JOINT

SCALE: NTS



- 1 2" SQUARE TUBE BIKE RACK
- 2 FINISH SURFACE OF PAVERS
- 3 THICKENED CONCRETE SLAB
- 4 6" L SS ANCHOR ROD
- 5 COMPACTED DENSE GRADED BASE
- 6 COMPACTED SUBGRADE

NOTES

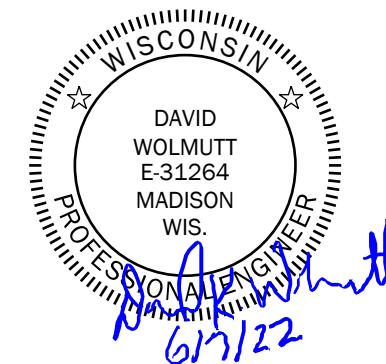
1. LANDSCAPE ARCHITECT TO SELECT AND VERIFY COLOR AND FINISH PRIOR TO INSTALLATION.

4 BIKE RACK

SCALE: 1/2" = 1'-0"

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DRAWING REFERENCE

DRAWING SCALE

06/07/2022

URP - ELEMENT

COLLECTIVE

PROJECT NAME

12748

PROJECT NUMBER

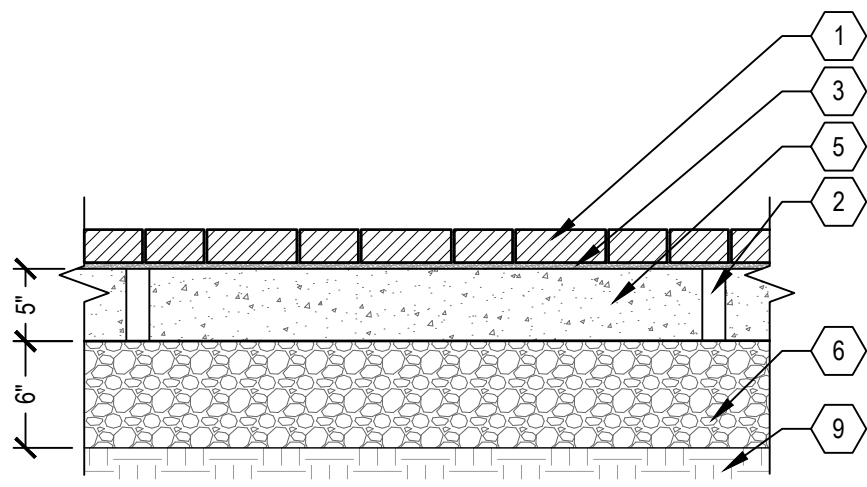
L5.01

DRAWING NUMBER

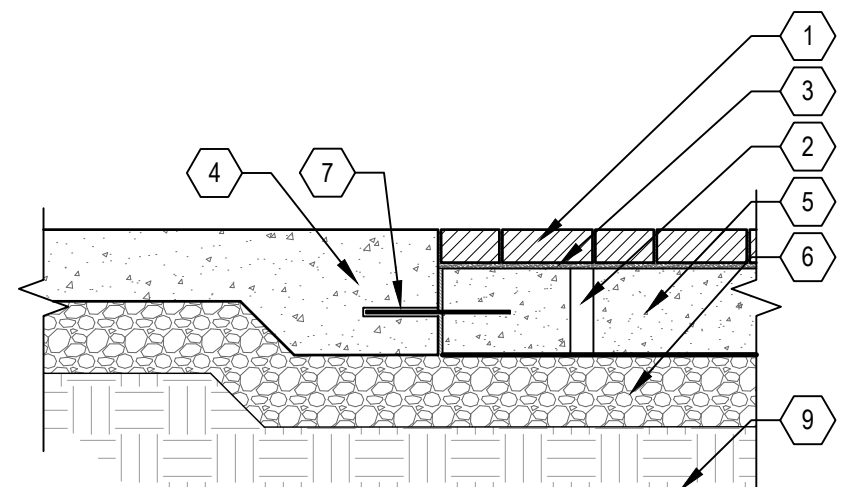
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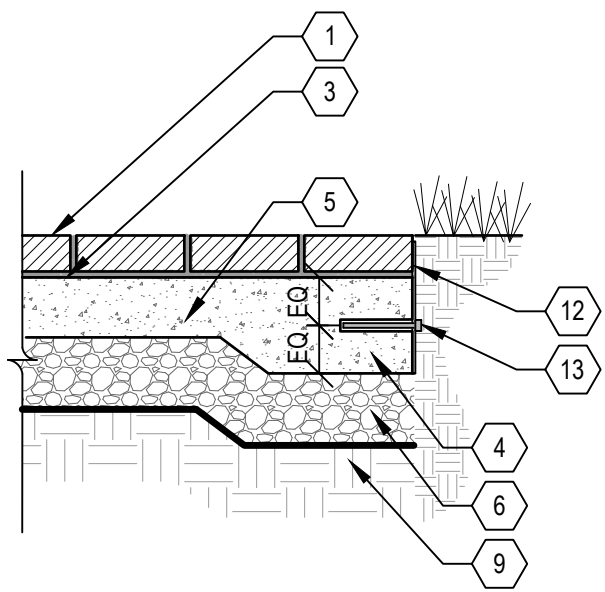
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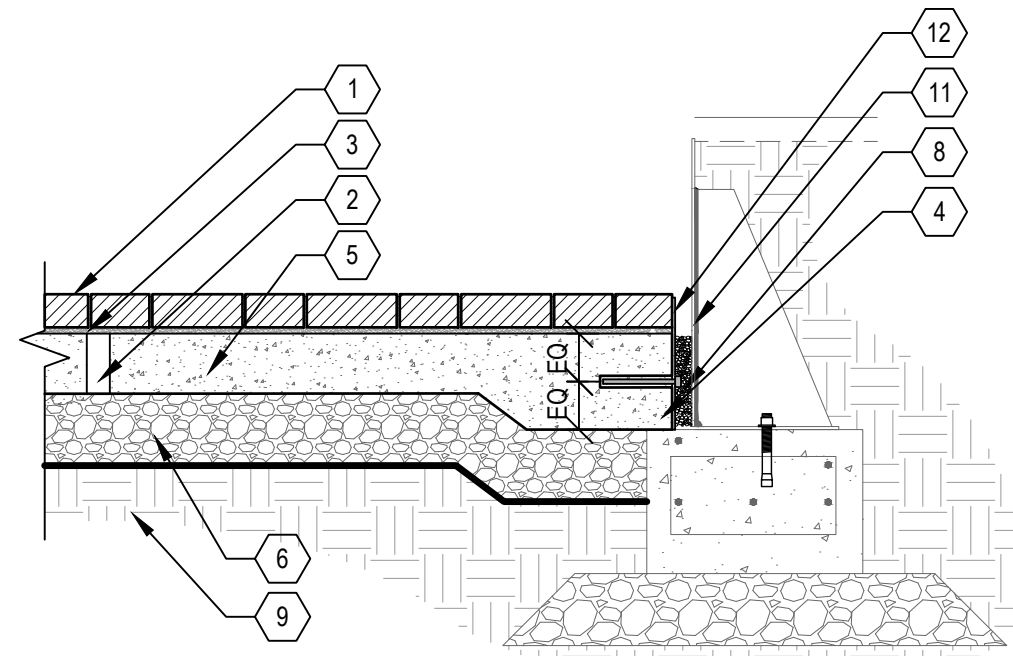
UNIT PAVERS TYPICAL SECTION



UNIT PAVERS @ CONCRETE WALK TYPICAL SECTION



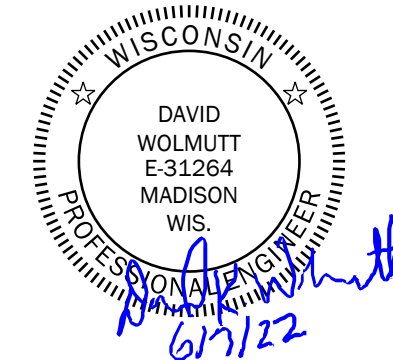
UNIT PAVERS @ LANDSCAPE BED TYPICAL SECTION



UNIT PAVERS @ STEEL PLANTER WALL TYPICAL SECTION

- 1 CONCRETE PAVERS WITH POLYMERIC SAND JOINTS
- 2 2" Ø WEEP HOLES @ 24" OC @ PERIMETER OF PAVER FIELDS. LOCATE WEEPS 12" FROM EDGE OF CONCRETE BASE AT DOWNHILL END OF PAVER FIELDS, WHERE CONCRETE BASE ABUTS CURBING, FOOTINGS, OR CONCRETE PAVEMENT. FILL WEEPS WITH CLEAR DRAINAGE AGGREGATE AND PROVIDE 12" SQ GEOTEXTILE FABRIC TO PREVENT SAND MIGRATION.
- 3 1/2" SAND SETTING BED
- 4 CONCRETE PAVEMENT THICKENED EDGE 2
L5.01
- 5 CONCRETE BASE
- 6 DENSE GRADED BASE
- 7 1/2" Ø 12" EPOXY-COATED DOWEL @ 2' OC; GREASE ONE END ONLY
- 8 NOT USED
- 9 COMPACTED SUBGRADE
- 10 NOT USED
- 11 STEEL PLANTER WALL 1 1
L5.05 L5.06
- 12 1/4" X 12" GALVANIZED STEEL EDGE PAVER RESTRAINT; WELD ABUTTING SEGMENTS
- 13 5/8" Ø x 6" L STAINLESS STEEL ANCHOR @ 2' OC

NOTE:
 PROVIDE TOOLED OR SAWN CONTROL JOINTS AT CONCRETE BASE. LOCATE JOINTS AND PROPORTION PANELS TO CREATE STABLE PANELS.



SITE DETAILS
 DRAWING TITLE

IFC
 ISSUED WITH

DRAWING REFERENCE

DRAWING SCALE

06/07/2022
 URP - ELEMENT
 COLLECTIVE
 PROJECT NAME

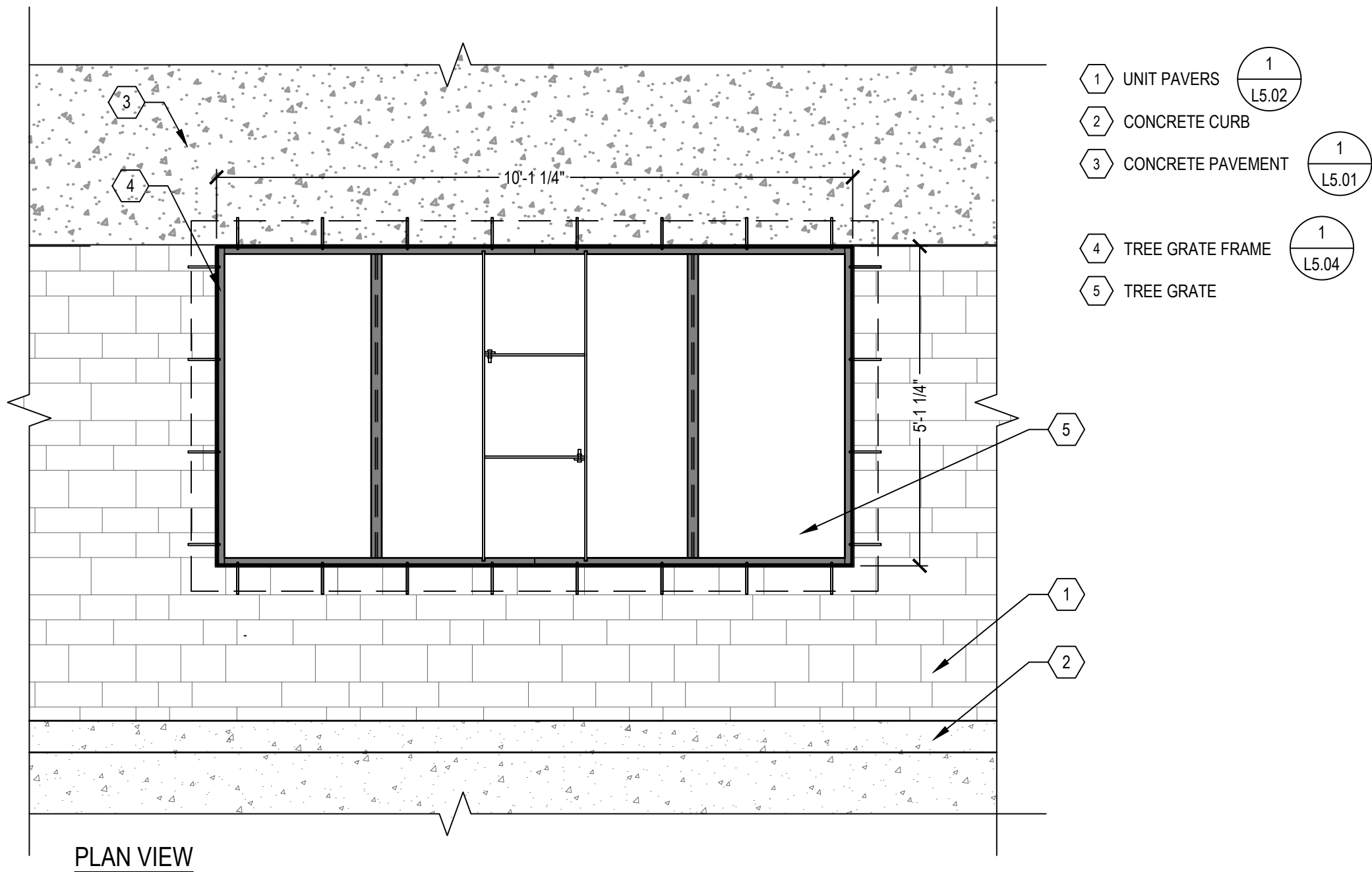
12748
 PROJECT NUMBER

L5.02
 DRAWING NUMBER

1 UNIT PAVERS

SCALE: NTS

FILE: C:\Users\nhilmer\SmithGroup Companies Inc\PRJ - 12748 - SmithGroup - SmithGroup\CAD\06_Landscape\12748-L5.00.dwg USER: nhilmer DATE: Apr. 24, 2022 TIME: 11:03 pm



- ① UNIT PAVERS 1
L5.02
- ② CONCRETE CURB
- ③ CONCRETE PAVEMENT 1
L5.01
- ④ TREE GRATE FRAME 1
L5.04
- ⑤ TREE GRATE

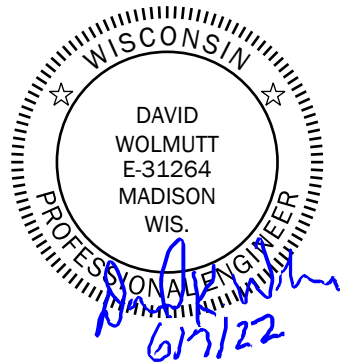
PLAN VIEW

① TREE GRATE FRAME

SCALE: 1/2" = 1'-0"

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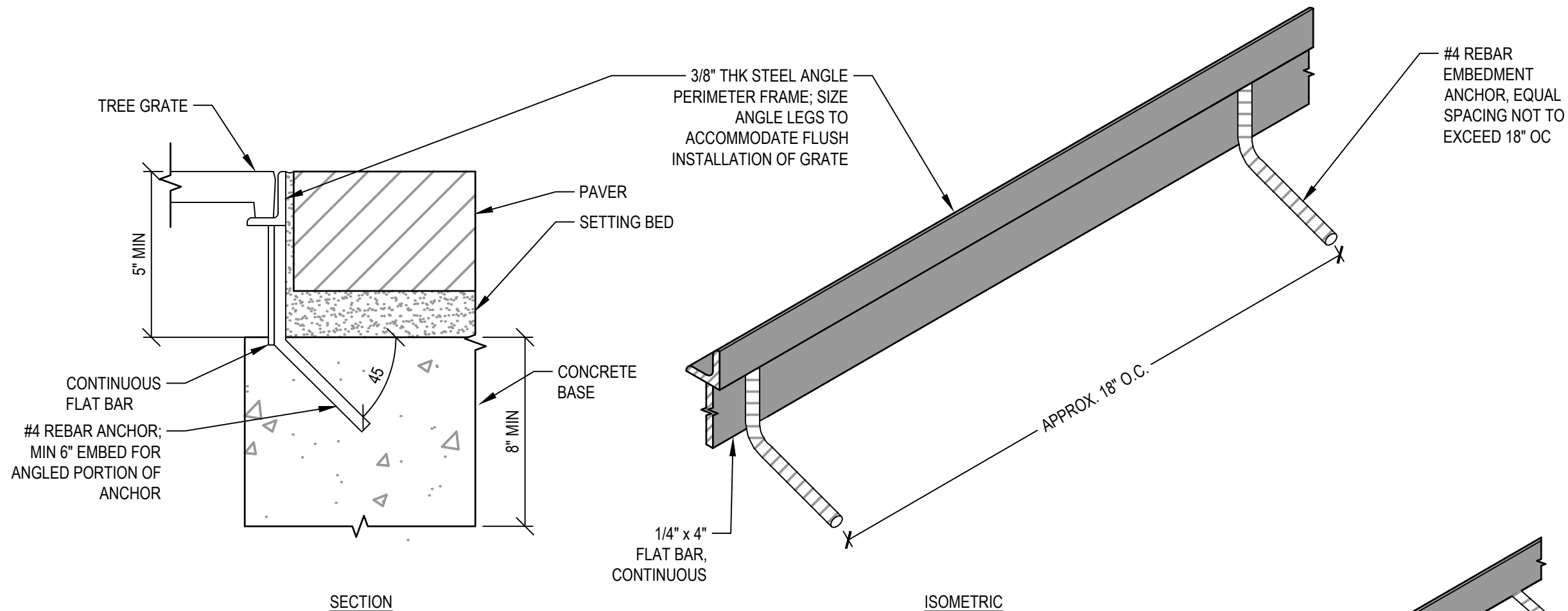
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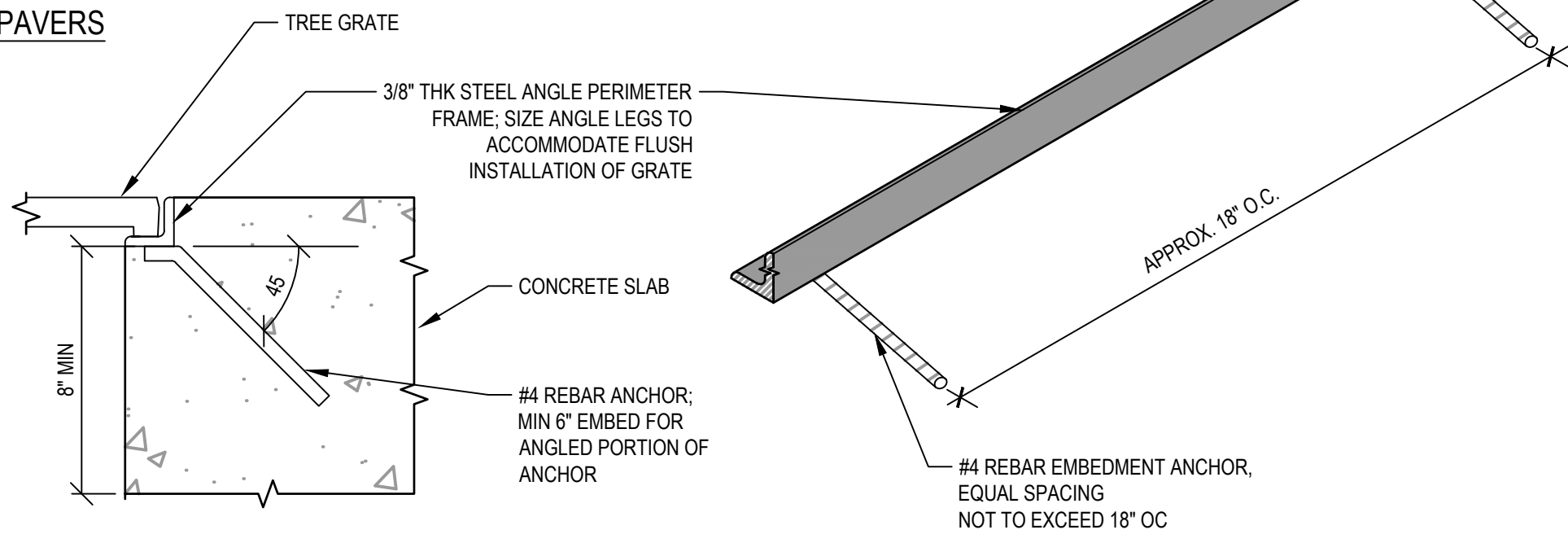
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IFC	_____
ISSUED WITH	_____
DRAWING REFERENCE	_____
DRAWING SCALE	_____
06/07/2022	_____
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COLLECTIVE	_____
PROJECT NAME	_____
12748	_____
PROJECT NUMBER	_____
L5.03	_____
DRAWING NUMBER	_____

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TREE GRATE AT PAVERS

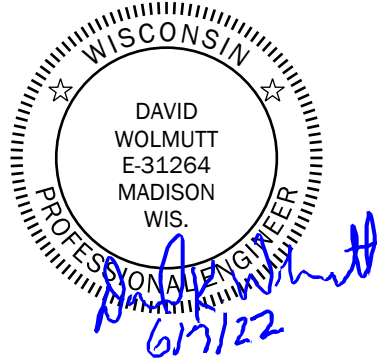


TREE GRATE AT CONCRETE PAVEMENT

NOTE:
HOT DIP GALVANIZE FRAMES
AFTER FABRICATION

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DRAWING SCALE
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COLLECTIVE
PROJECT NAME
12748
PROJECT NUMBER
L5.04
DRAWING NUMBER

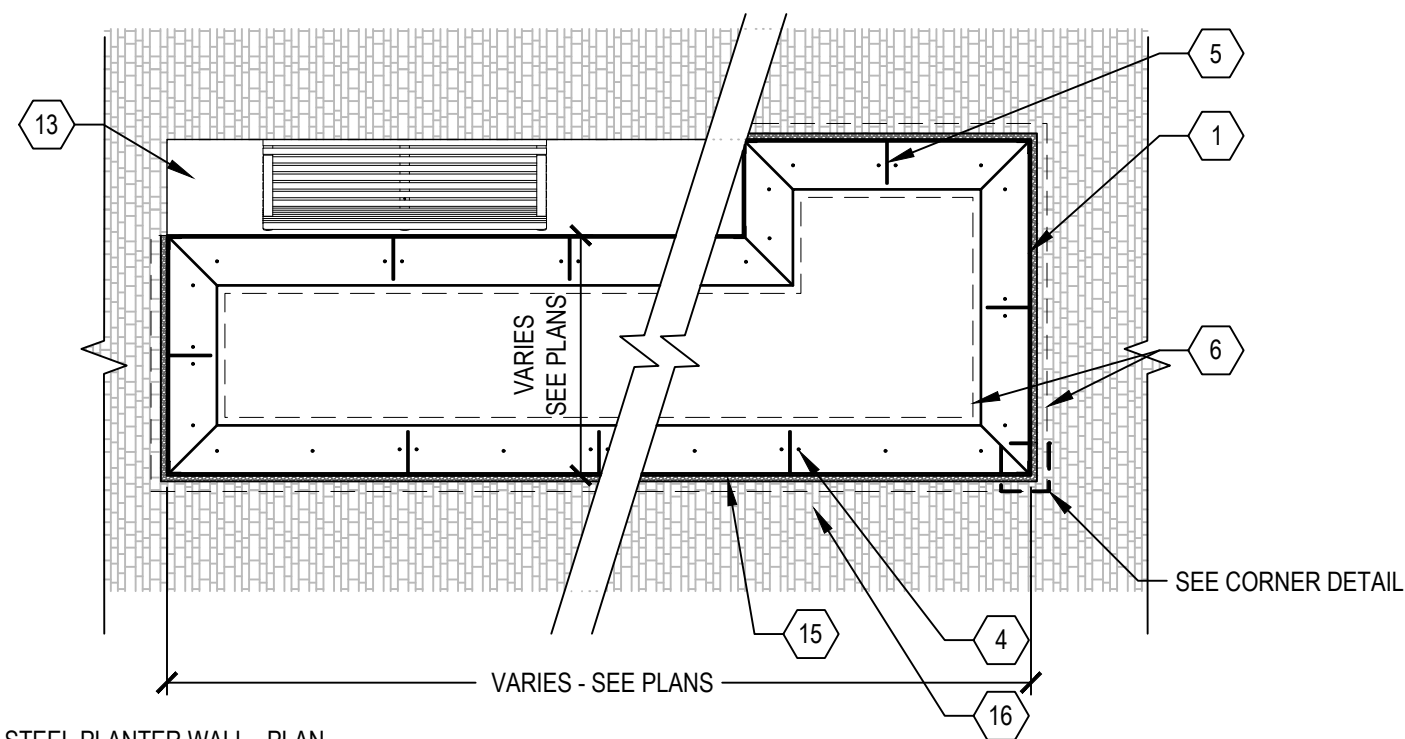
1 TREE GRATE FRAME

SCALE: NTS

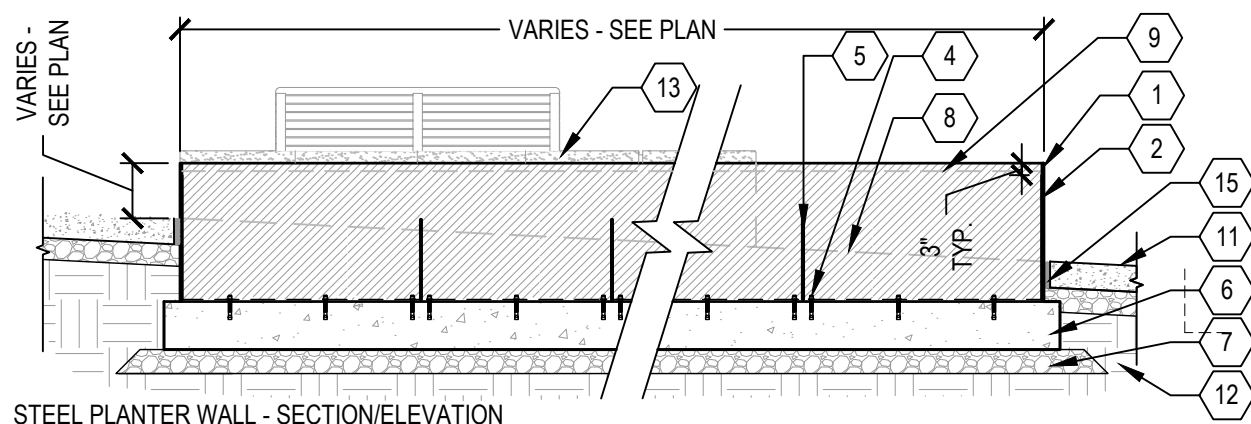
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STEEL PLANTER WALL - PLAN

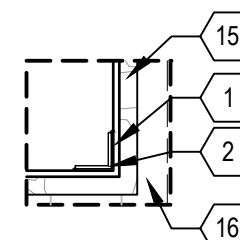


STEEL PLANTER WALL - SECTION/ELEVATION

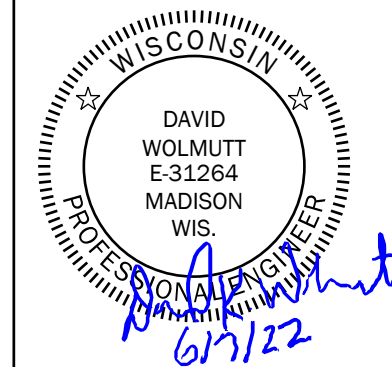
- | | | | |
|---|--|----|--------------------------------------|
| 1 | 3/8" WEATHERING STEEL PLATE | 8 | FINISH GRADE OF SIDEWALK (BEHIND) |
| 2 | 3" x 3" x 1/4" WEATHERING STEEL ANGLE AT CORNERS, LENGTH VARIES WITH HEIGHT OF PLANTER WALL | 9 | TOP OF GROWING MEDIA |
| 3 | NOT USED | 10 | NOT USED |
| 4 | SS 3/4" Ø EXPANSION ANCHOR @ 2'-0" OC, 4" MIN EMBEDMENT | 11 | FINISH SURFACE |
| 5 | 3/8" WEATHERING STEEL GUSSET PLATE @ ±3'-6" O.C. ON LONG ENDS, TYP; MIN ONE GUSSET PLATE ON SHORT ENDS | 12 | COMPACTED SUBGRADE |
| 6 | CIP CONCRETE FOOTING | 13 | STONE SEATWALL WITH BENCH |
| 7 | DENSE GRADED BASE | 14 | NOT USED |
| | | 15 | 1 1/2" W DECORATIVE PEA GRAVEL EDGE |
| | | 16 | ADJACENT PAVEMENT VARIES BY LOCATION |

NOTES

1. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. ALL PLATE STEEL AND ANGLE TO BE WEATHERING STEEL
3. ALL ANCHORS, FASTENERS, AND CONNECTORS TO BE 316 SS.
4. PROVIDE PROTECTIVE WEATHERING STEEL COATING PER SPECIFICATIONS.
5. SEQUENCE FABRICATION TO ALLOW WEATHERING STEEL TO PATINA PRIOR TO INSTALLATION.
6. PROVIDE CONTINUOUS WELDS BETWEEN ALL PLANTER COMPONENTS.



PLANTER CORNER DETAIL
 SCALE: 3" = 1'-0"



SITE DETAILS

DRAWING TITLE

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DRAWING REFERENCE

DRAWING SCALE

06/07/2022

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PROJECT NUMBER

L5.05

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1 STEEL WALL PLANTER - TYPICAL PLAN

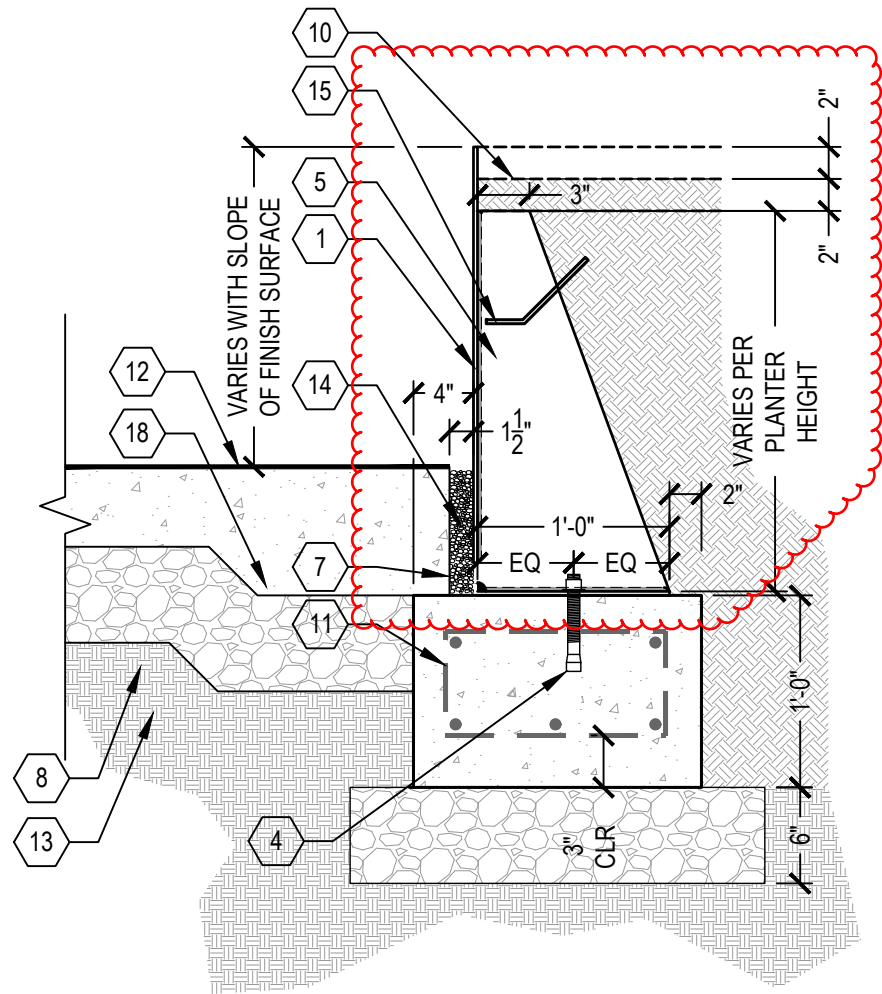
SCALE: 1/4" = 1'

FILE: C:\Users\nhilmer\SmithGroup Companies Inc\PRJ - 12748 - SmithGroup\CAD\06_Landscape\12748-L5.00.dwg USER: nhilmer DATE: Jun, 14 2023 TIME: 08:06 am

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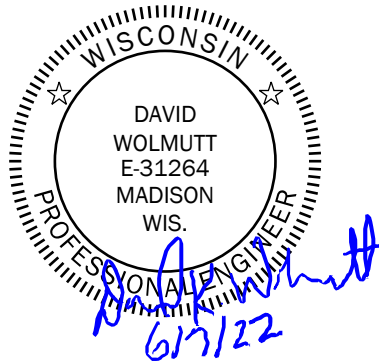
REV 4 - 03/27/2023 - NJH
 -Revised detail dimensions for consistency with plans.
 -Ref: RFI 28



- 1 3/8" WEATHERING STEEL PLATE
- 2 NOT USED
- 3 NOT USED
- 4 SS 3/4" Ø EXPANSION ANCHOR @ 2' OC, 4" MIN EMBEDMENT
- 5 NOT USED
- 6 NOT USED
- 7 CIP CONCRETE FOOTING
- 8 DENSE GRADED BASE
- 9 NOT USED
- 10 TOP OF PLANTING SOIL
- 11 #4 REBAR @ 10" EACH WAY
- 12 FINISH SURFACE OF ADJACENT PAVEMENT
- 13 COMPACTED SUBGRADE
- 14 1 1/2" DECORATIVE PEA GRAVEL EDGE
- 15 #4 REBAR LIFTING HOOK
- 16 NOT USED
- 17 NOT USED
- 18 CONCRETE PAVEMENT THICKENED EDGE

*** SEE NOTES IN DETAIL ON PAGE L5.05***

2
L5.01



3 STEEL WALL PLANTER - TYPICAL SECTION

SCALE: 1" = 1'

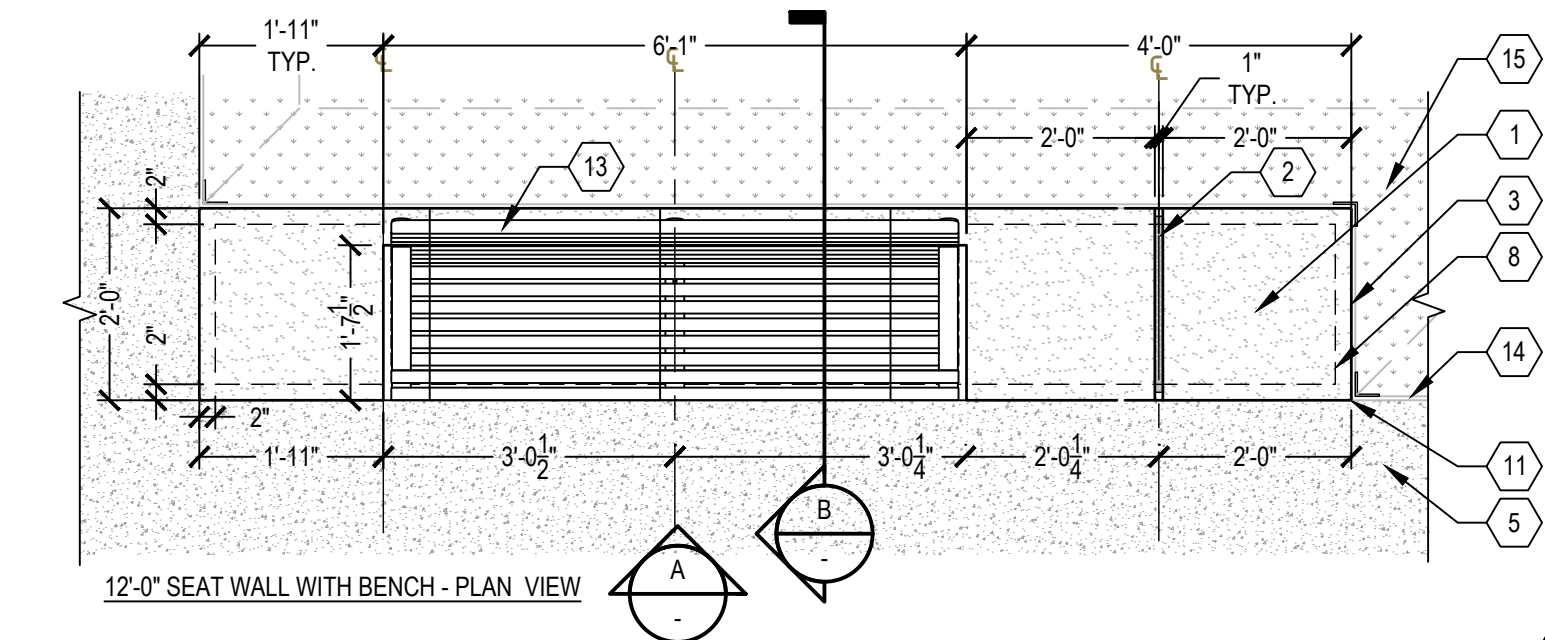
SITE DETAILS

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IFC	_____
ISSUED WITH	_____
DRAWING REFERENCE	_____
DRAWING SCALE	_____
06/07/2023	_____
URP - ELEMENT	_____
COLLECTIVE	_____
PROJECT NAME	_____
12748	_____
PROJECT NUMBER	_____
L5.06	_____
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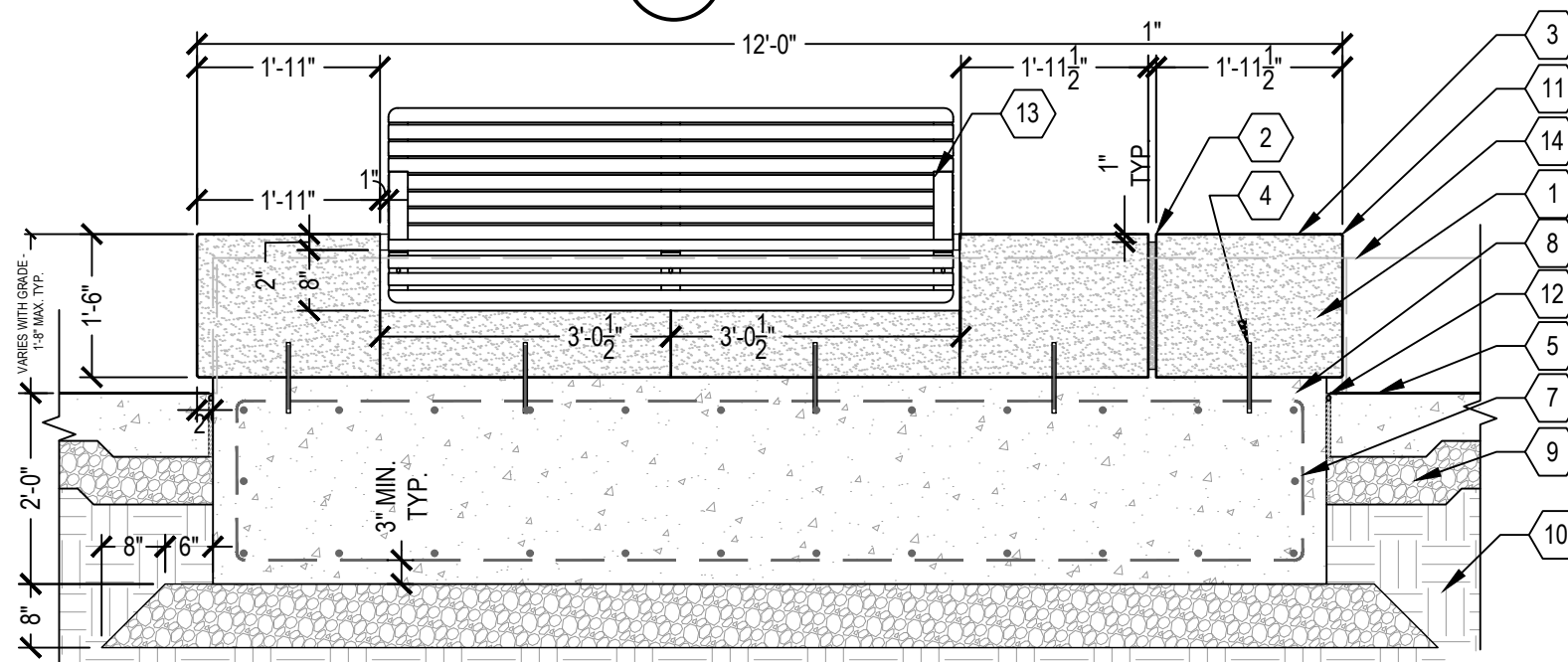
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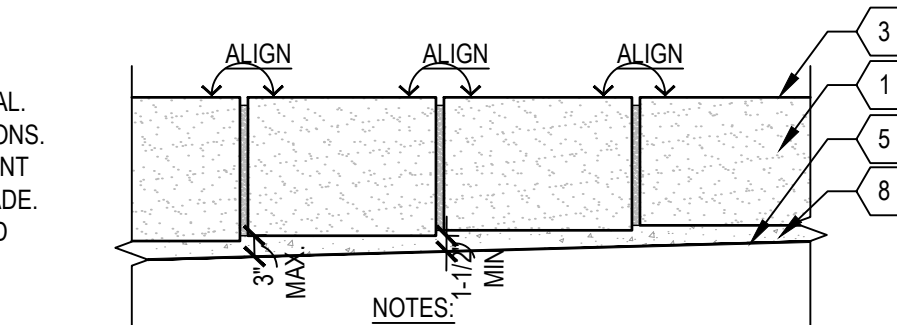


12'-0" SEAT WALL WITH BENCH - PLAN VIEW



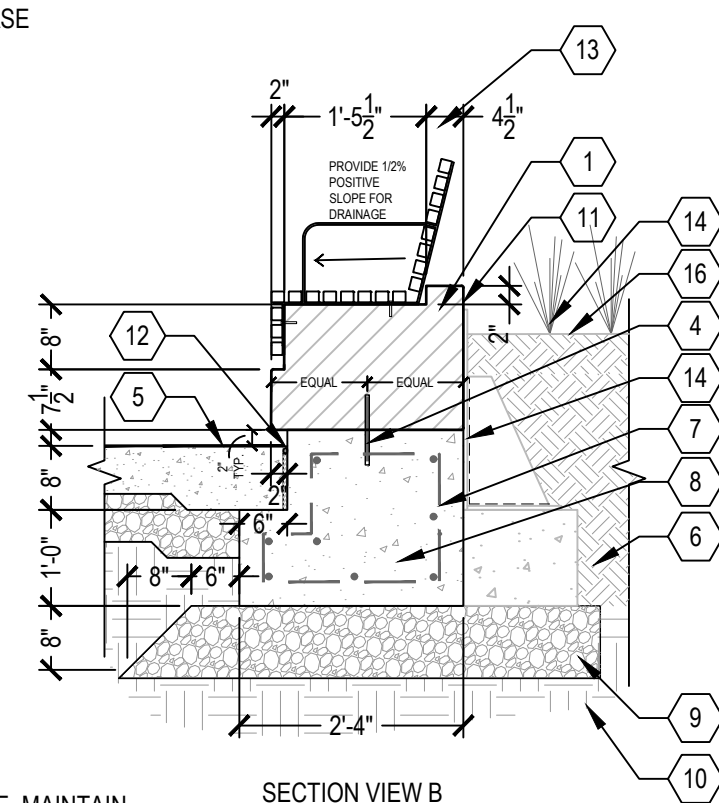
SECTION/ELEVATION VIEW A

- NOTES:
1. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
 2. SEE PLANS FOR TOP- AND BOTTOM-OF-WALL ELEVATIONS. WHERE ELEVATIONS ARE NOT INDICATED, THE MIDPOINT OF THE BENCH SHOULD BE SET 18" ABOVE FINISH GRADE.
 3. PROVIDE MEDIUM SAND-BLASTED FINISH ALL EXPOSED STONE FACES.



NOTES: WHERE BOTTOM OF SEAT WALL SLOPES WITH GRADE, MAINTAIN CONSISTENT TOP OF WALL ELEVATIONS AND CONSISTENT BOTTOM OF WALL REVEAL DIMENSIONS. MINIMUM REVEAL HEIGHT 1.5", MAXIMUM REVEAL HEIGHT 3".

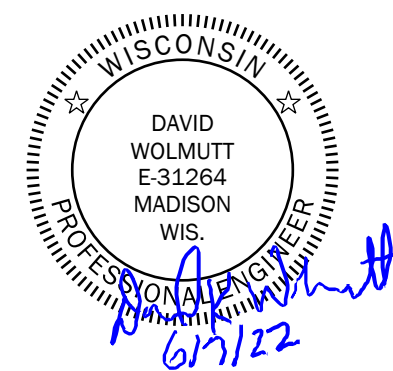
- 1 LIMESTONE BLOCK SEATWALL W/ C.I.P. CONCRETE FOUNDATION
- 2 1" W x 1" D REVEAL
- 3 SAND BLASTED FINISH, ALL EXPOSED FACES, TYP.
- 4 3/4" Ø x 8" STAINLESS STEEL PIN, CENTER IN BLOCK AND EPOXY IN PLACE; SHOP DRILL FOR PIN
- 5 FINISH SURFACE
- 6 PLANTING SOIL EXCAVATE TO UNCOMPACTED SUBGRADE
- 7 #4 REBAR @ 12" O.C. EACH WAY, TYP
- 8 CONCRETE FOUNDATION
- 9 COMPACTED DENSE GRADED BASE
- 10 COMPACTED SUBGRADE
- 11 1/4" RADIUS ON ALL EXPOSED EDGES, TYP.
- 12 EXPANSION JOINT AT VERTICAL SURFACE
- 13 LANDSCAPE FORMS 71" UNIVERSAL BACKED BENCH, ATTACH PER MANUFACTURER SPECIFICATIONS.
- 14 STEEL PLANTER WALL
- 15 ADJACENT PLANTING AREA
- 16 FINISH GRADE



SECTION VIEW B

1 STONE SEATWALL WITH BENCH

SCALE: 1/2" = 1'

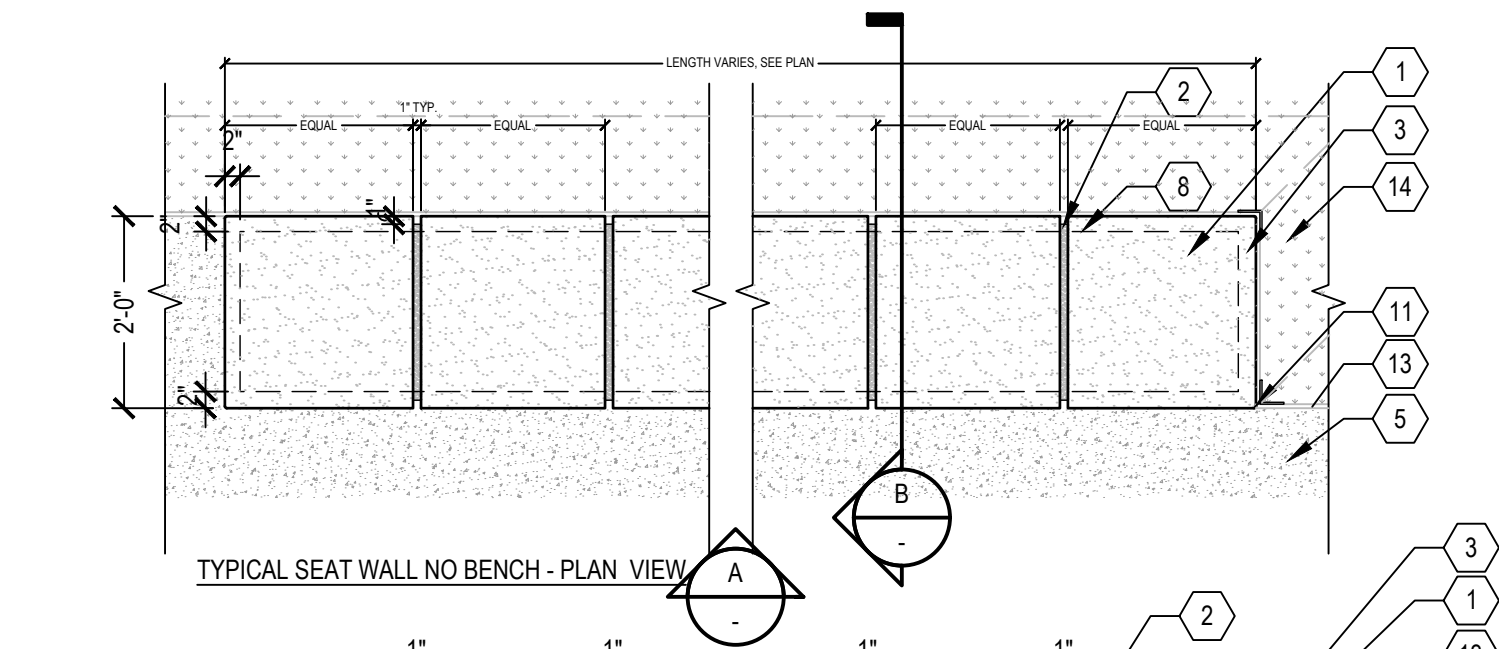


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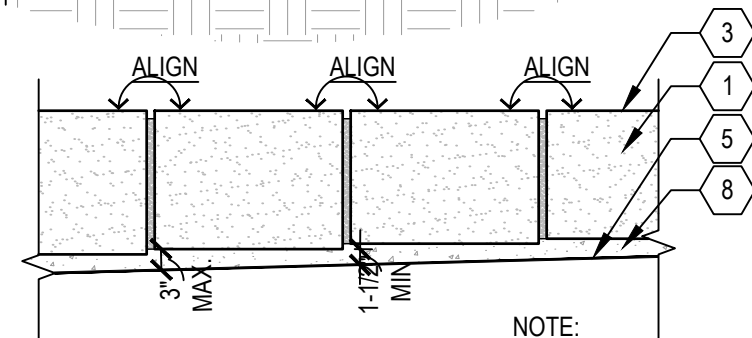
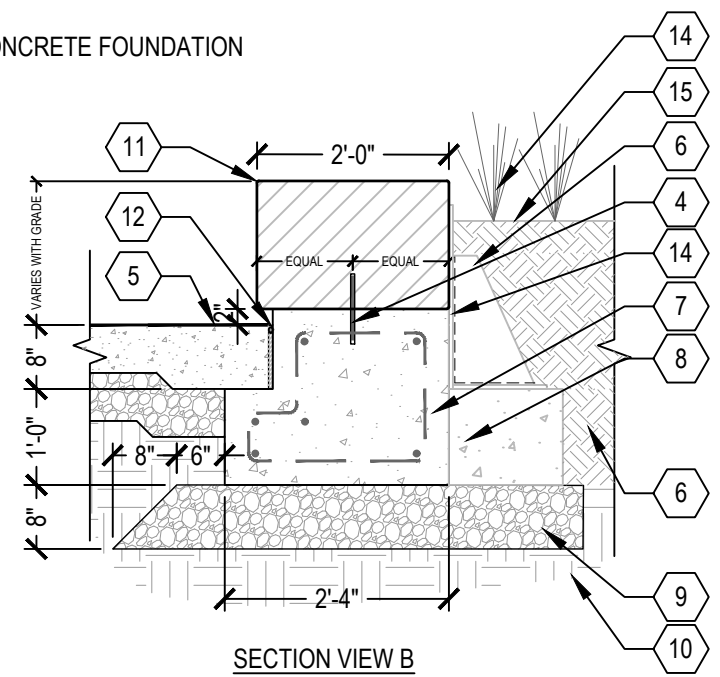
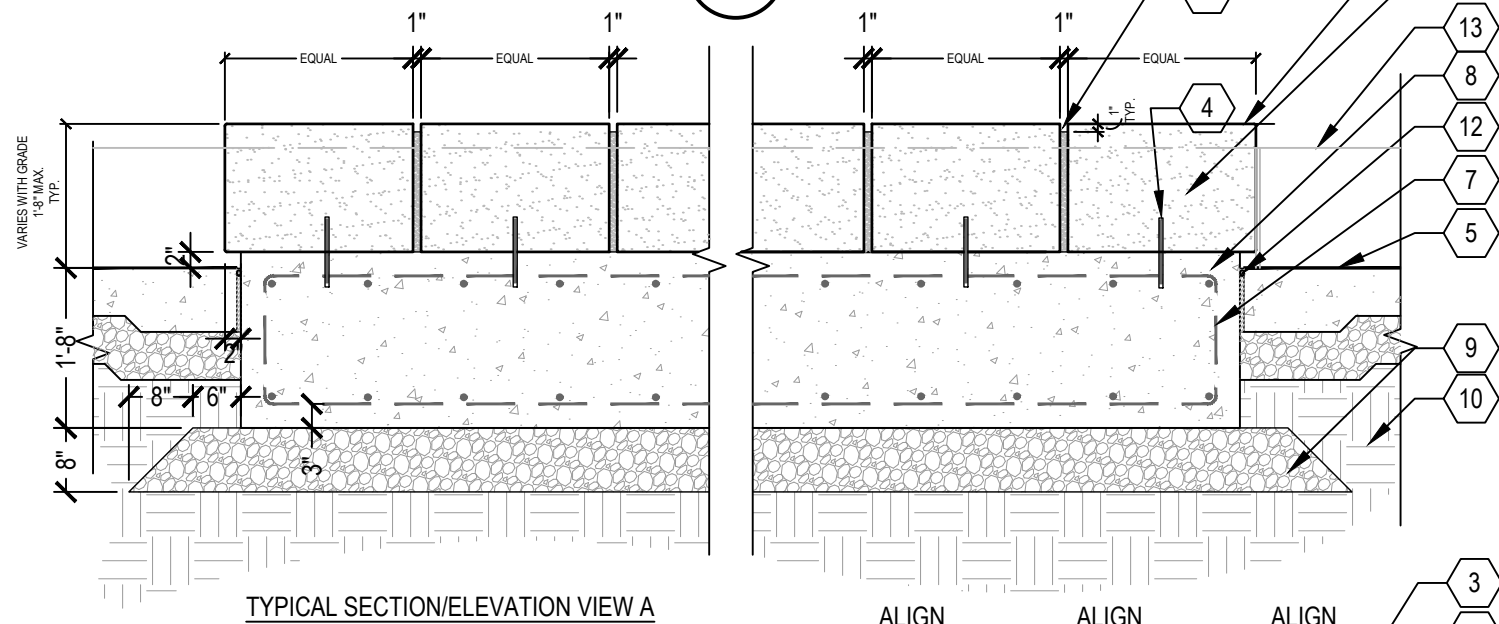
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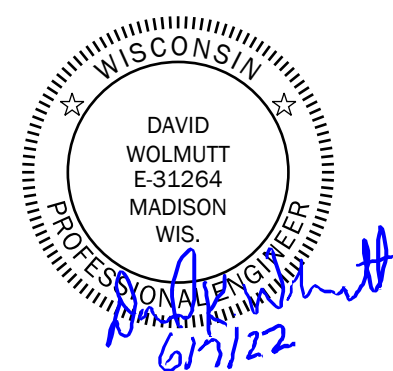


- 1 LIMESTONE BLOCK SEATWALL W/ C.I.P. CONCRETE FOUNDATION
- 2 1" W x 1" D REVEAL
- 3 SAND BLASTED FINISH, ALL EXPOSED FACES, TYP.
- 4 3/4" Ø x 8" STAINLESS STEEL PIN, CENTER IN BLOCK AND EPOXY IN PLACE; SHOP DRILL FOR PIN
- 5 FINISH SURFACE
- 6 PLANTING SOIL EXCAVATE TO UNCOMPACTED SUBGRADE
- 7 #4 REBAR @ 12" O.C. EACH WAY, TYP
- 8 CONCRETE FOUNDATION
- 9 COMPACTED DENSE GRADED BASE
- 10 COMPACTED SUBGRADE
- 11 1/4" RADIUS ON ALL EXPOSED EDGES, TYP.
- 12 EXPANSION JOINT AT VERTICAL SURFACE
- 13 STEEL PLANTER WALL
- 14 ADJACENT PLANTING AREA
- 15 FINISH GRADE



NOTE:
 WHERE BOTTOM OF SEAT WALL SLOPES WITH GRADE, MAINTAIN CONSISTENT TOP OF WALL ELEVATIONS AND CONSISTENT BOTTOM OF WALL REVEAL DIMENSIONS. MINIMUM REVEAL HEIGHT 1.5", MAXIMUM REVEAL HEIGHT 3".

- NOTES:
1. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
 2. SEE PLANS FOR TOP OF BOTTOM/ WALL ELEVATIONS. WHERE ELEVATIONS ARE NOT INDICATED, THE MIDPOINT OF THE SEATWALL SHOULD BE SET 18" ABOVE FINISH GRADE.
 3. PROVIDE MEDIUM SAND-BLASTED FINISH ALL EXPOSED STONE FACES.



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 ISSUED WITH _____
 DRAWING REFERENCE _____
 DRAWING SCALE _____
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URP - ELEMENT
COLLECTIVE
 PROJECT NAME _____
12748
 PROJECT NUMBER _____
L5.08
 DRAWING NUMBER _____

1 STONE SEATWALL

SCALE: 1/2" = 1'

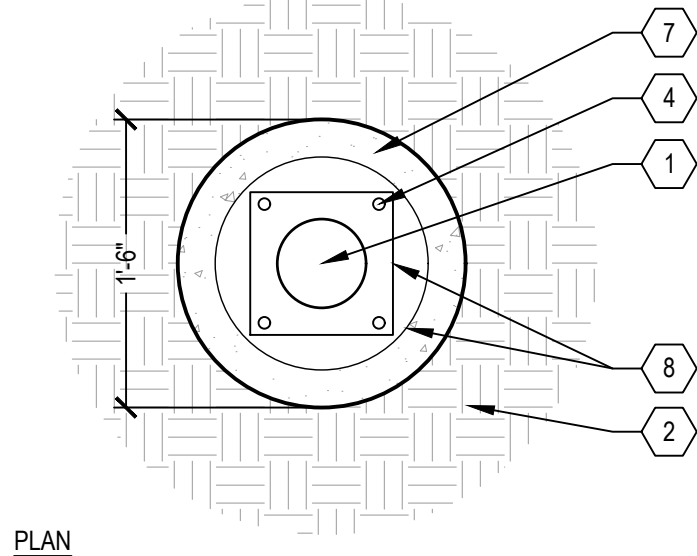
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KEYED NOTES

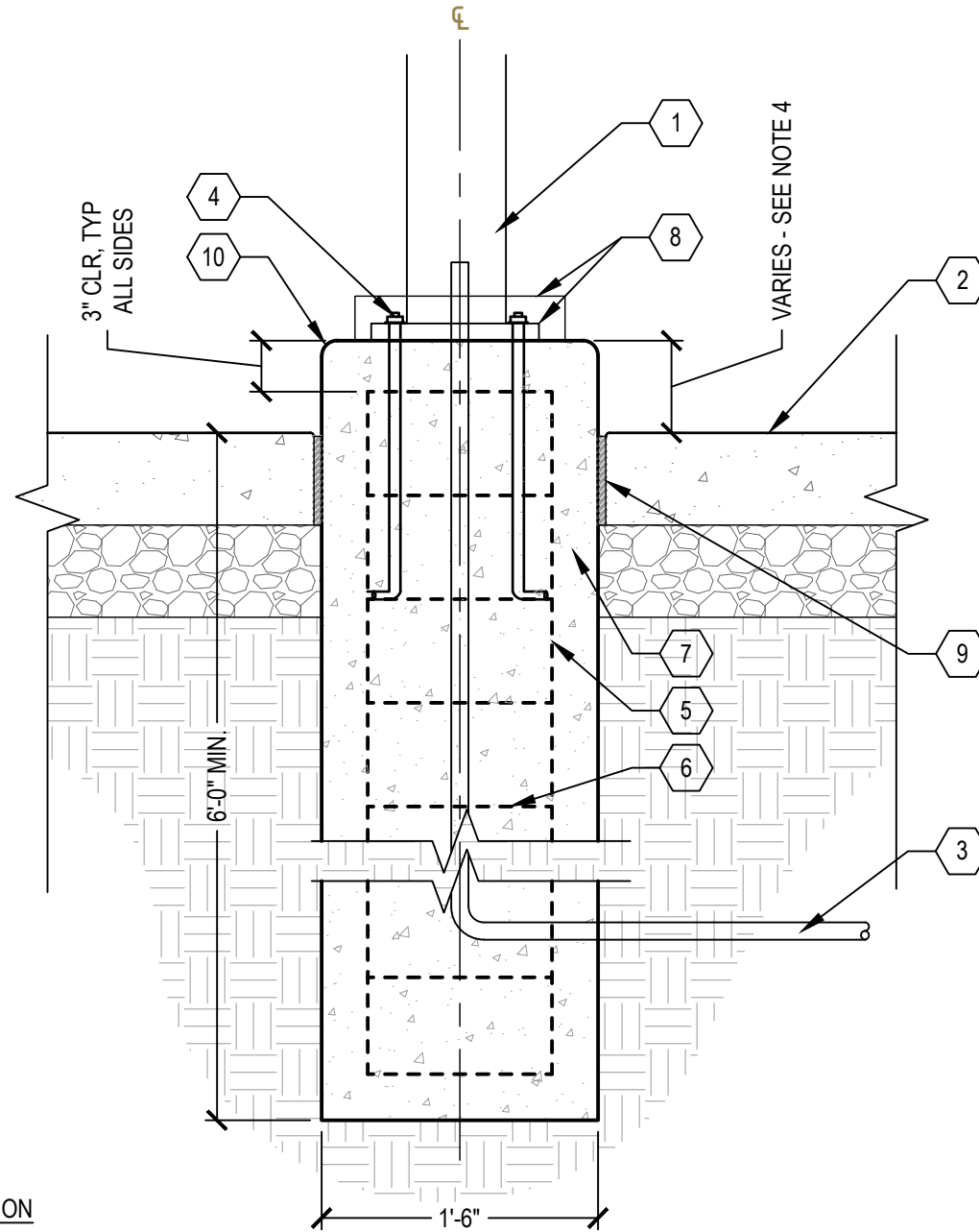
- 1 LIGHT POLE TYPE 1 OR 2
- 2 ADJACENT FINISH SURFACE; CONDITION VARIES
- 3 REFER TO ELECTRICAL FOR CONDUIT, GROUNDING, WIRING, ETC.
- 4 GALVANIZED STEEL ANCHOR BOLTS SIZED PER MANUFACTURER'S RECOMMENDATION
- 5 (4) #8 BARS, VERTICAL; SPACE EVENLY
- 6 #3 TIES @ 16" OC
- 7 4000 PSI REINFORCED CONCRETE FOOTING
- 8 BASE PLATE AND BASE PLATE COVER - INSTALL PER MANUFACTURER'S INSTRUCTIONS
- 9 EXPANSION JOINT WHEN POLE IS LOCATED AT CONCRETE PAVEMENT
- 10 1/2" RADIUS

NOTES

1. IF REQUIRED, DEWATER EXCAVATION PRIOR TO PLACING CONCRETE.
2. SMOOTH-AS-CAST FINISH ALL EXPOSED SURFACES.
3. COORDINATE CITY INSPECTION PRIOR TO PLACING CONCRETE.
4. TOP OF FOOTING (TF) ELEVATION VARIES BY LOCATION:
 AT PAVEMENTS: TF = ADJACENT FINISH SURFACE + 4"
 AT LAWNS AND AT-GRADE LANDSCAPE BEDS: TF = ADJACENT FINISH GRADE + 4"
 AT RAISED PLANTERS: TF = TOP OF PLANTER WALL - 1"



PLAN



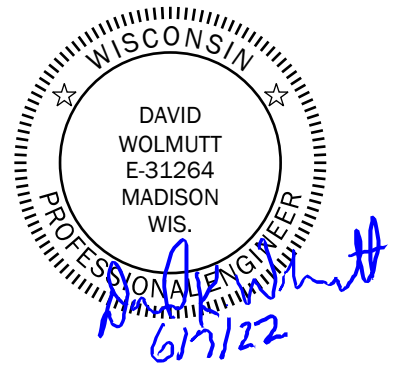
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1 TYPE 1 AND TYPE 2 LIGHT POLE FOOTING

SCALE: 1" = 1'

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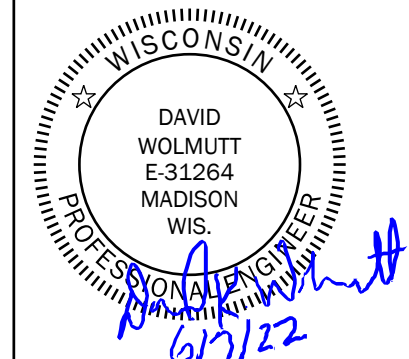
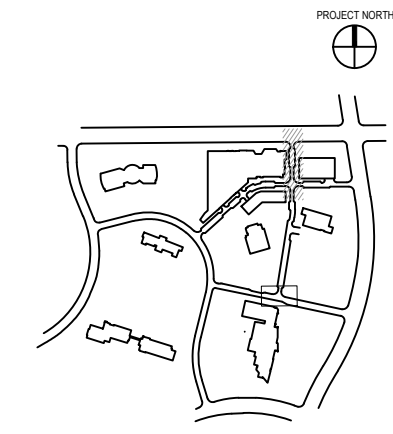
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KEY PLAN



ENDEAVOR WAY DEMOLITION AND PLANTER MODIFICATIONS
DRAWING TITLE

IFC
ISSUED WITH

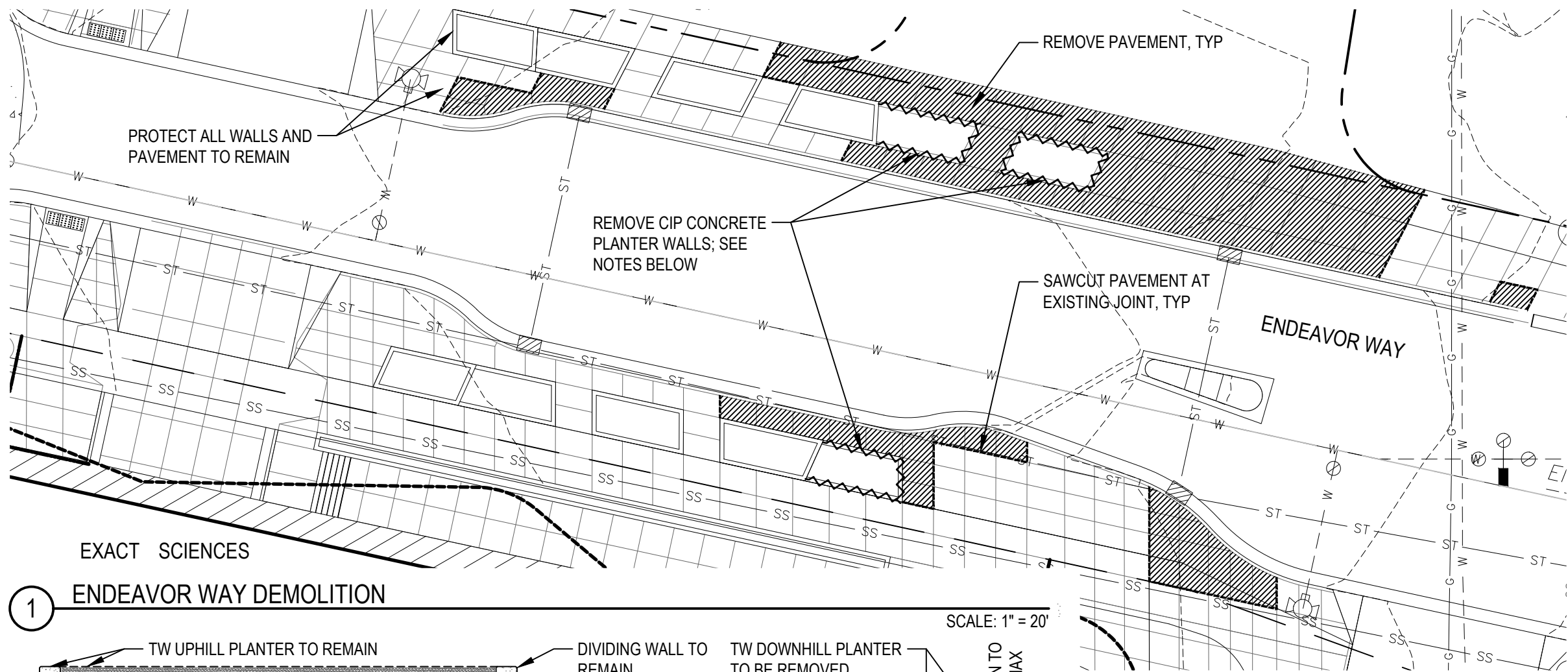
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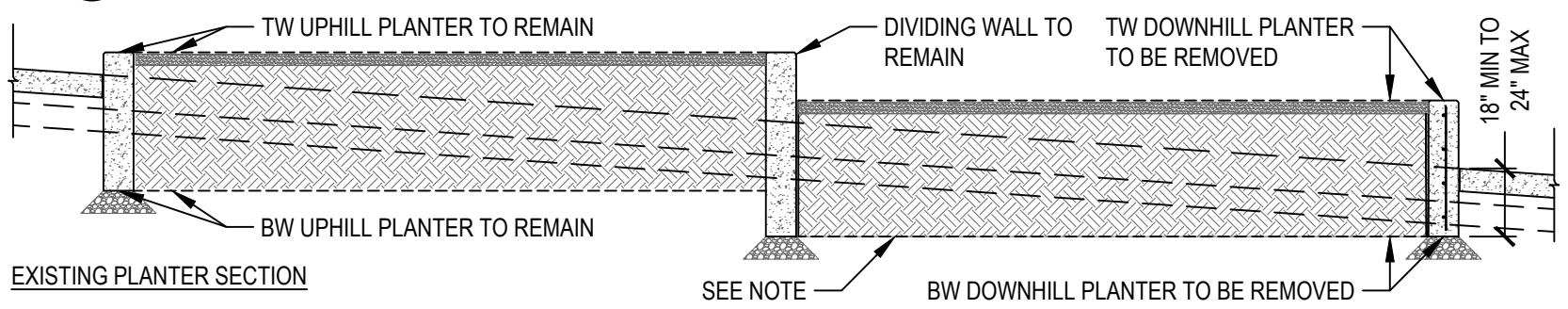
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EXACT SCIENCES

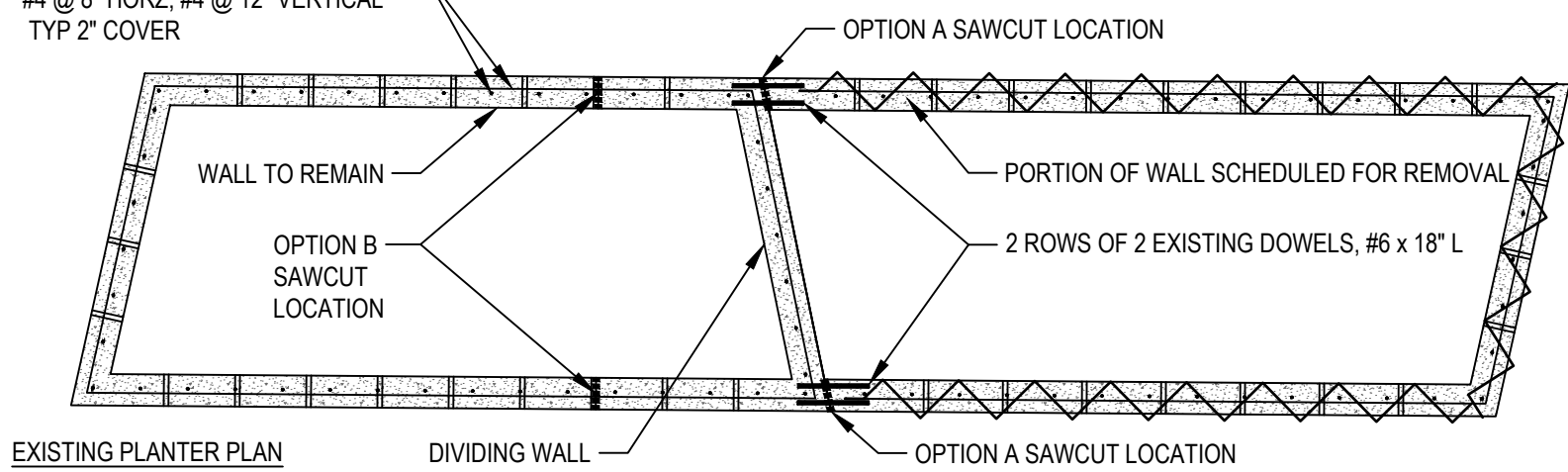
1 ENDEAVOR WAY DEMOLITION

SCALE: 1" = 20'



EXISTING PLANTER SECTION

EXISTING REINFORCEMENT:
 #4 @ 8" HORZ, #4 @ 12" VERTICAL
 TYP 2" COVER



EXISTING PLANTER PLAN

2 ENDEAVOR WAY PLANTER DEMOLITION AND MODIFICATIONS

SCALE: NTS

PLANTER MODIFICATION STRATEGIES

OPTION A (PREFERRED APPROACH): SAWCUT AT PLANTER STEP PARALLEL WITH EAST FACE OF DIVIDING WALL. CORE AND REMOVE DOWELS. COORDINATE WITH LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE FOR ON-SITE REVIEW OF EXPOSED WALL AFTER DEMOLITION. IF APPEARANCE OF EXPOSED WALL IS ACCEPTABLE, PATCH CORED DOWELS AND CLEAN WALL TO REMAIN. IF APPEARANCE OF EXPOSED WALL IS NOT ACCEPTABLE, PROCEED WITH OPTION B.

OPTION B: IF NEWLY EXPOSED EAST FACE IS UNFINISHED/ UNPRESENTABLE, OR WALL REMOVAL DAMAGES NEWLY EXPOSED FACE BEYOND PRACTICAL REPAIR, SAW CUT WALL TO REMAIN AT LOCATIONS SHOWN OR ALTERNATIVE LOCATIONS AS COORDINATED WITH LANDSCAPE ARCHITECT. REPOUR WALL TO REMAIN AND PROVIDE REINFORCEMENT AND FINISH TO MATCH EXISTING.

NOTE: IN SOME INSTANCES A CONCRETE LEVELING SLAB MAY HAVE BEEN SUBSTITUTED FOR A COMPACTED AGGREGATE BASE FOUNDATION DURING WALL CONSTRUCTION. IF LEVELING SLAB IS ENCOUNTERED, SAW CUT AND REMOVE PER EXTENTS INDICATED.

24" Stop

Catalyst
Way

Endeavor Lane

6'

6" Crosswalk

6"

8'



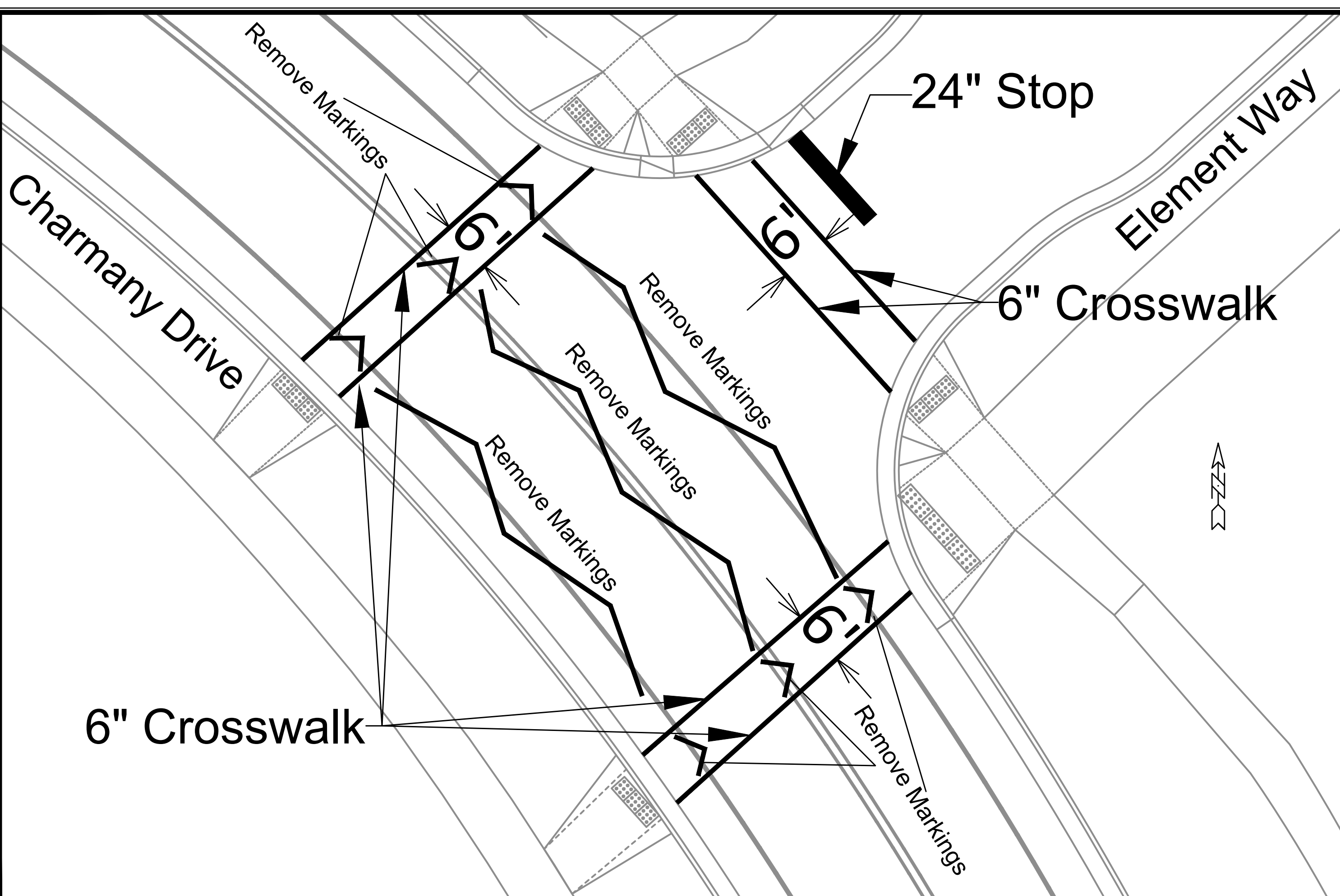
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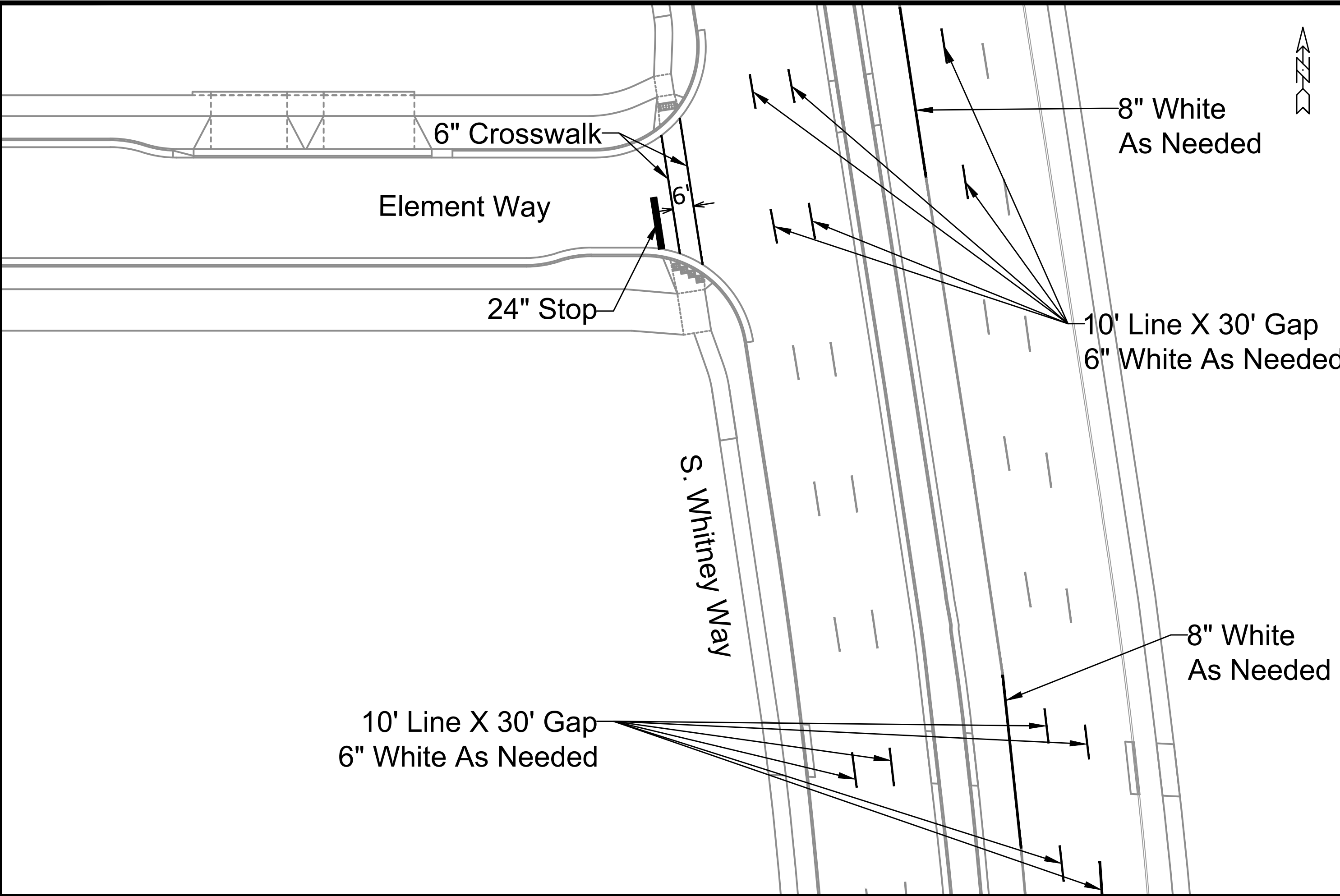


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13355
 M-3

Element Way

6'

6" Crosswalk

Continental Crosswalk

Way
Catalyst

6'



MARKING PLAN

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13355

MADISON, WI

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M-4



13355

M-4



Mineral Point Road

Remove Existing 6" White

6'

Catalyst Way

24" Stop

6" Crosswalk

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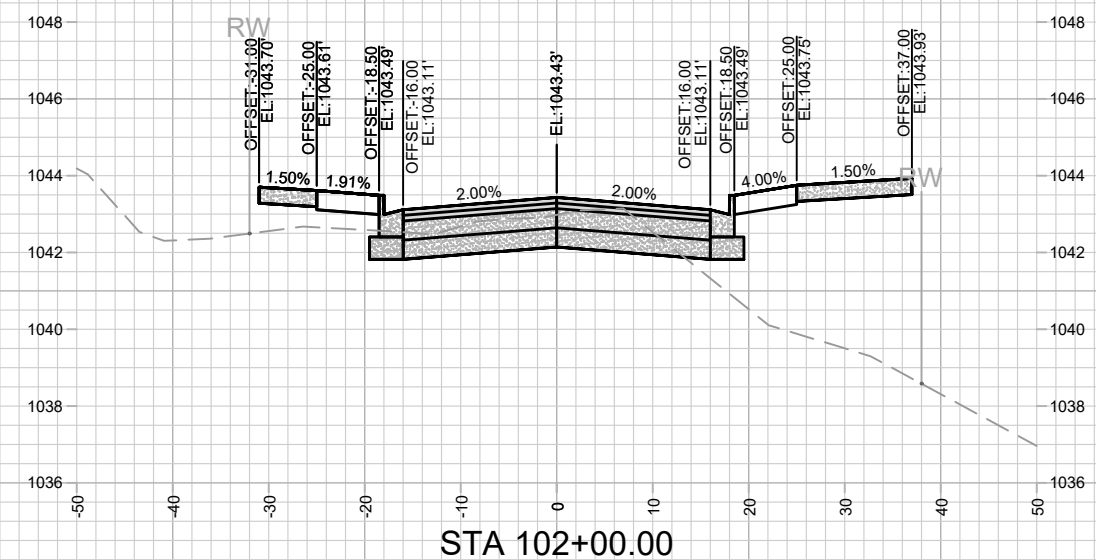
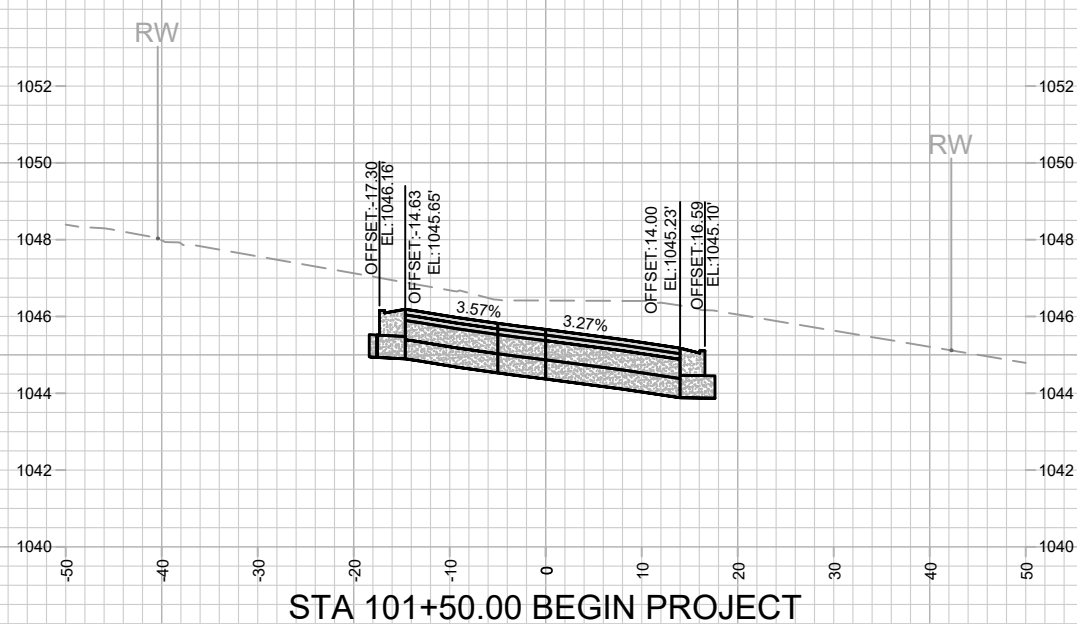
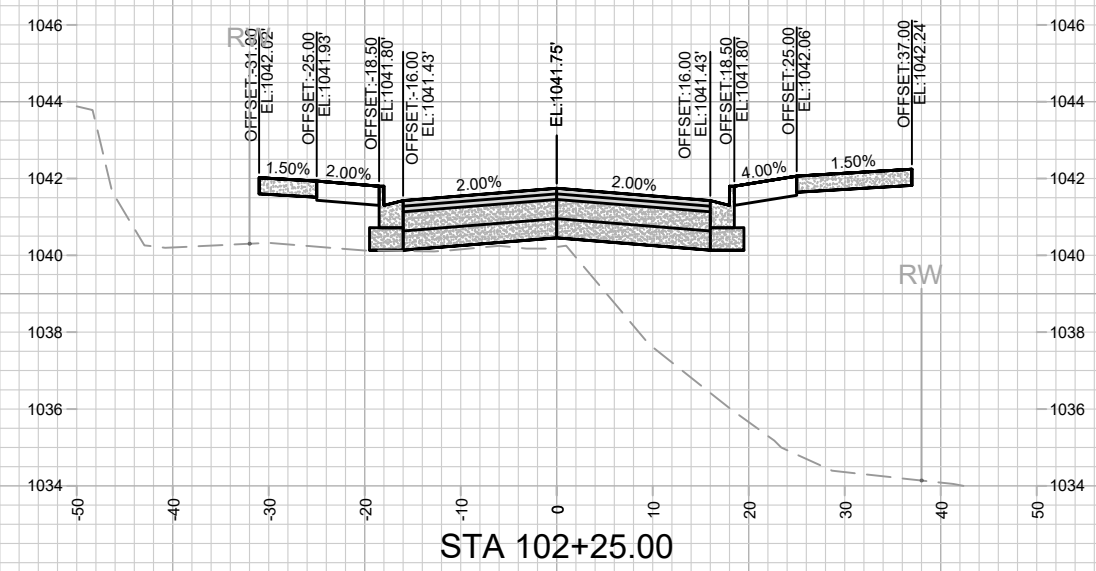
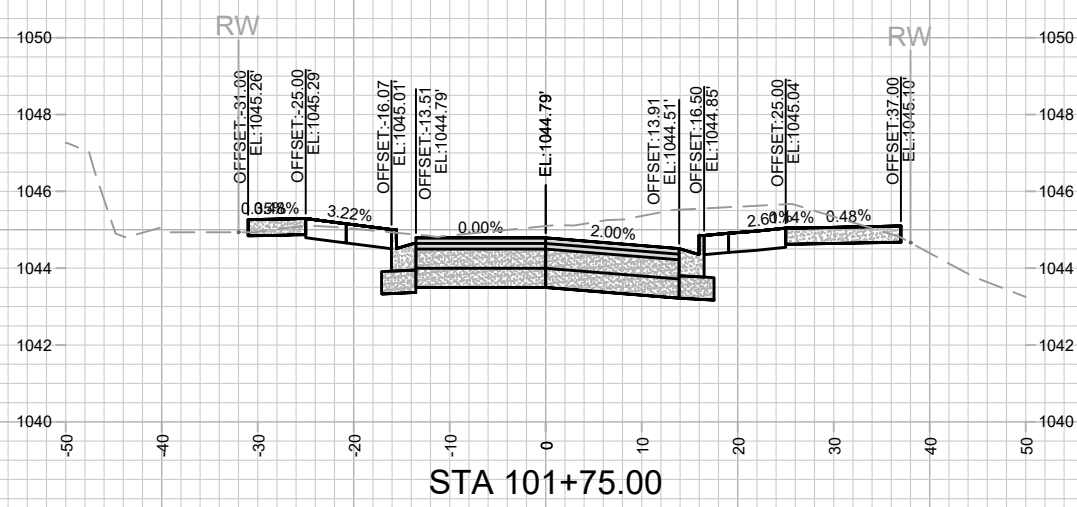
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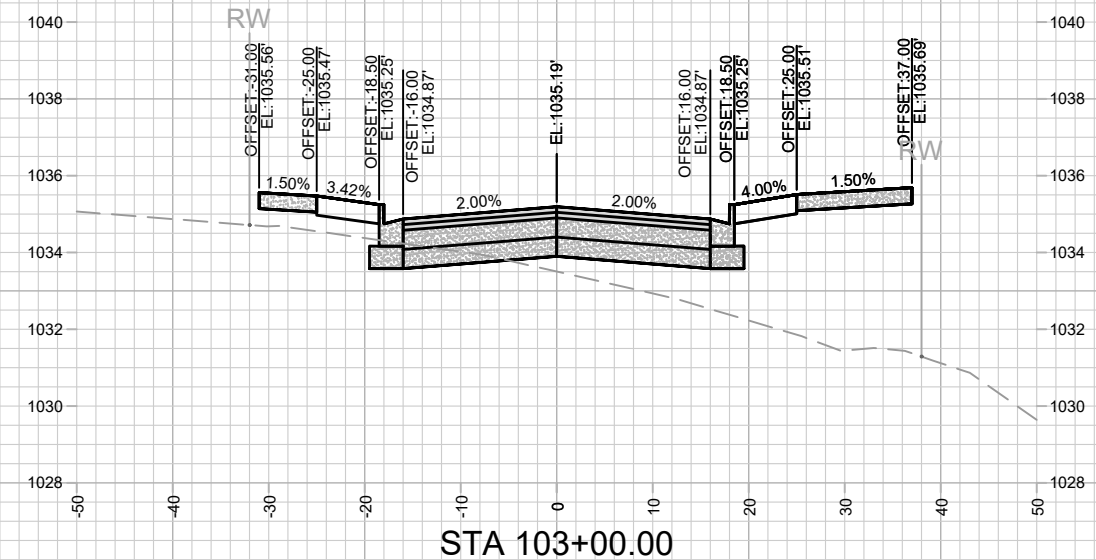
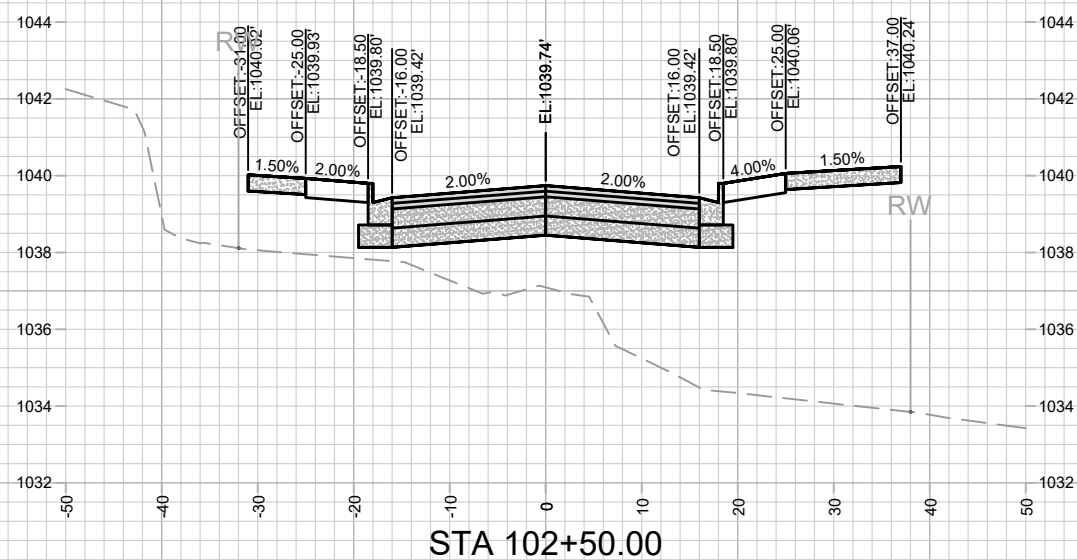
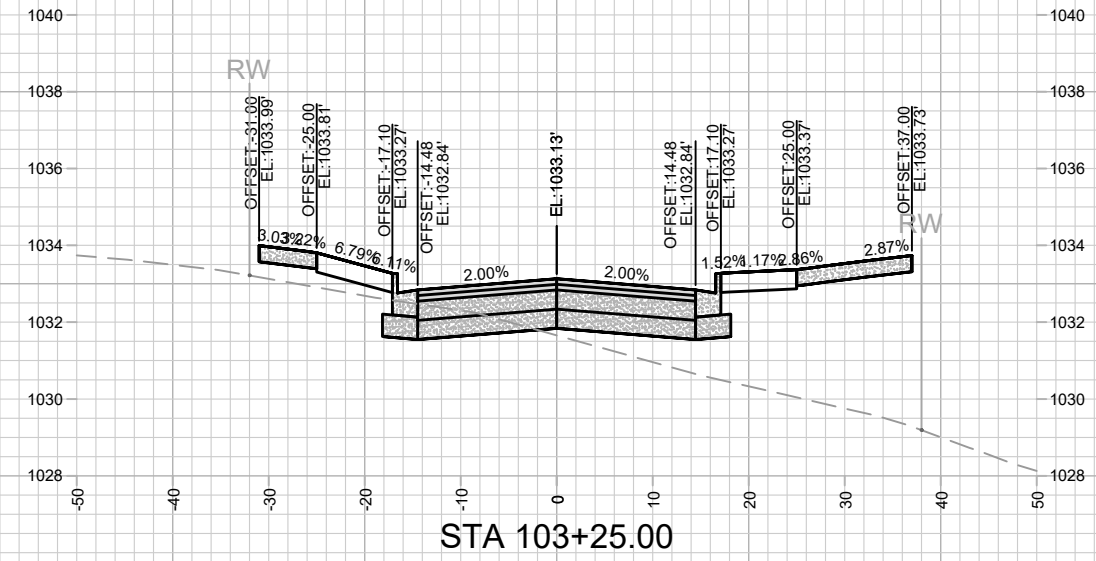
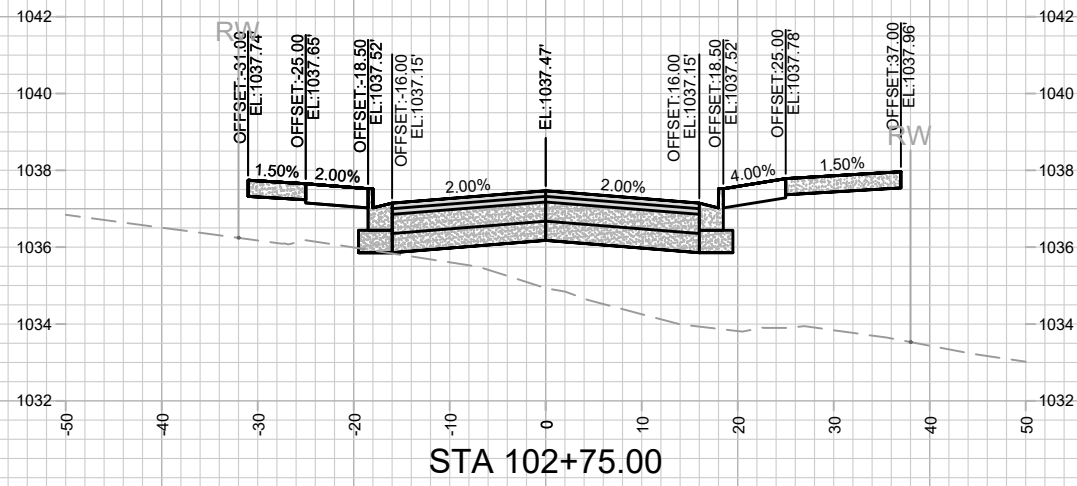


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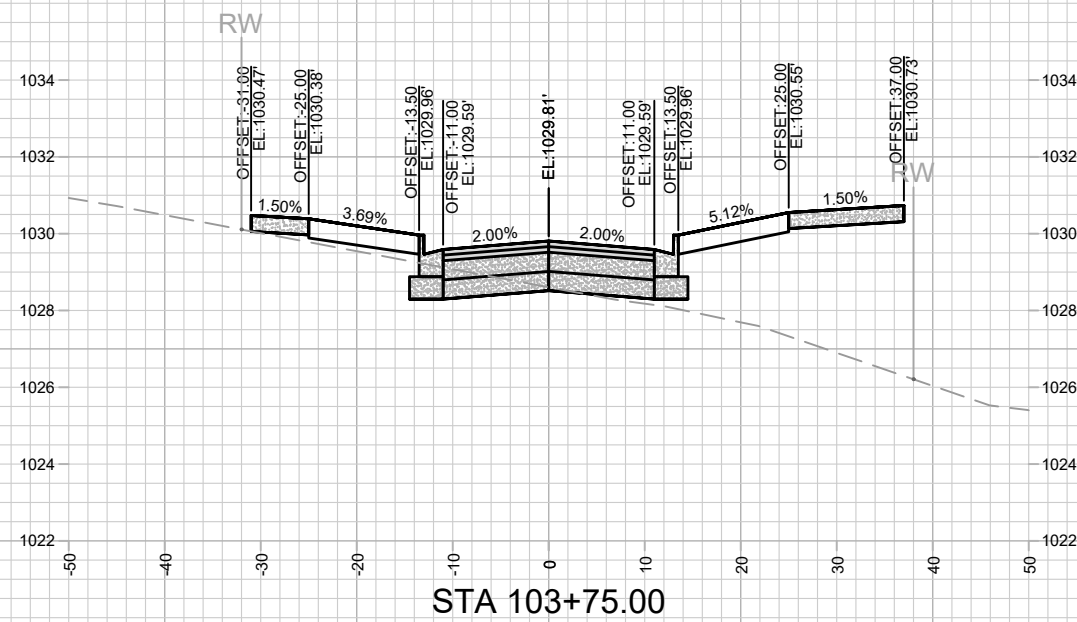
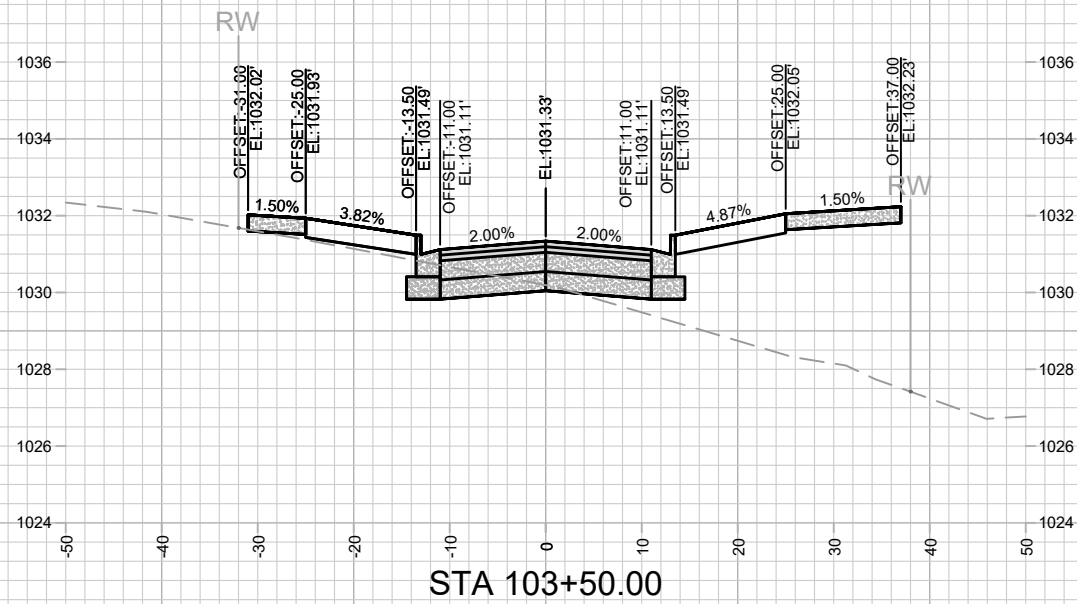
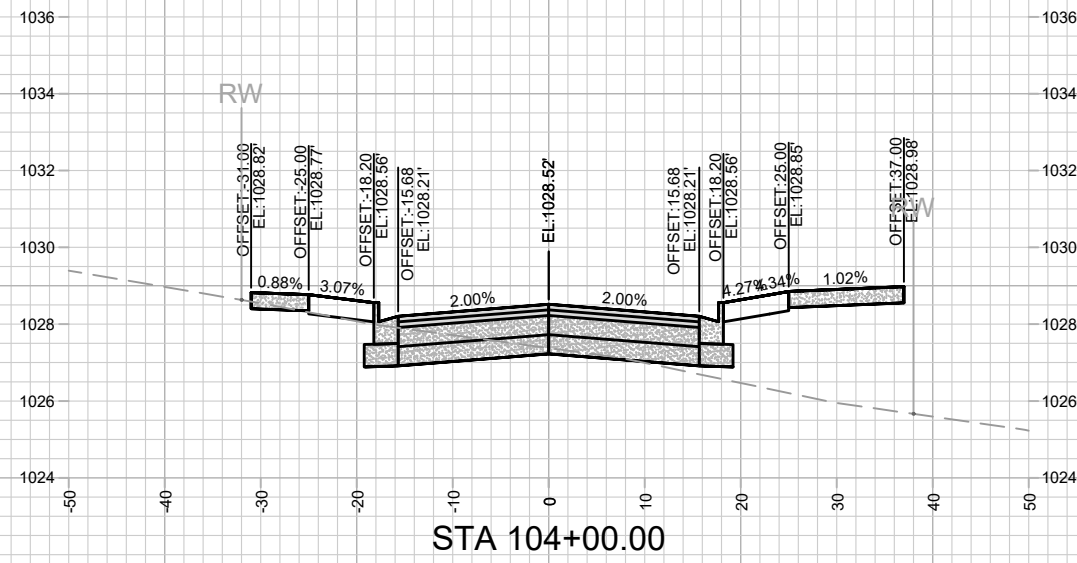
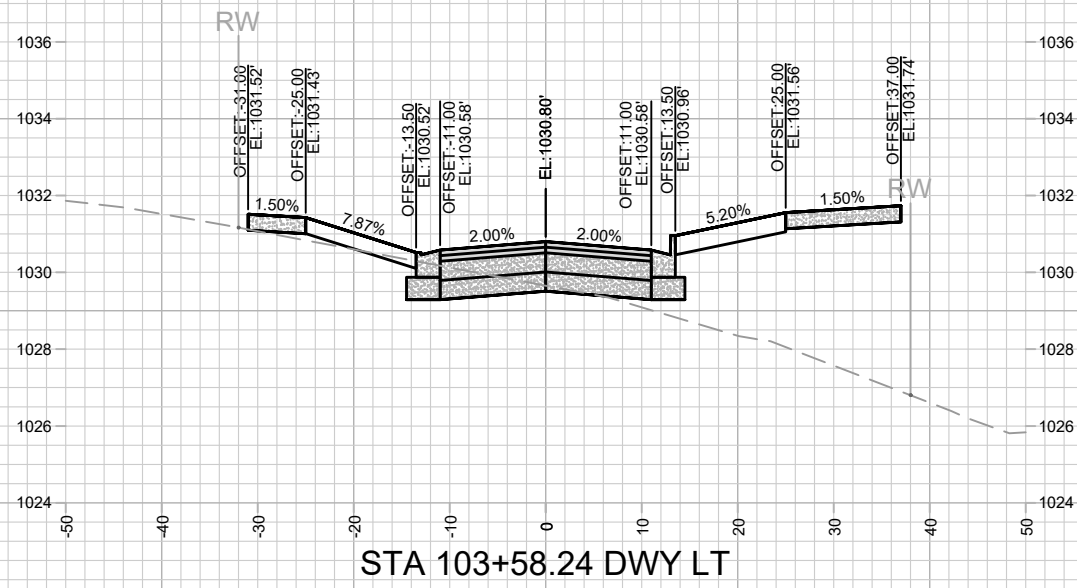


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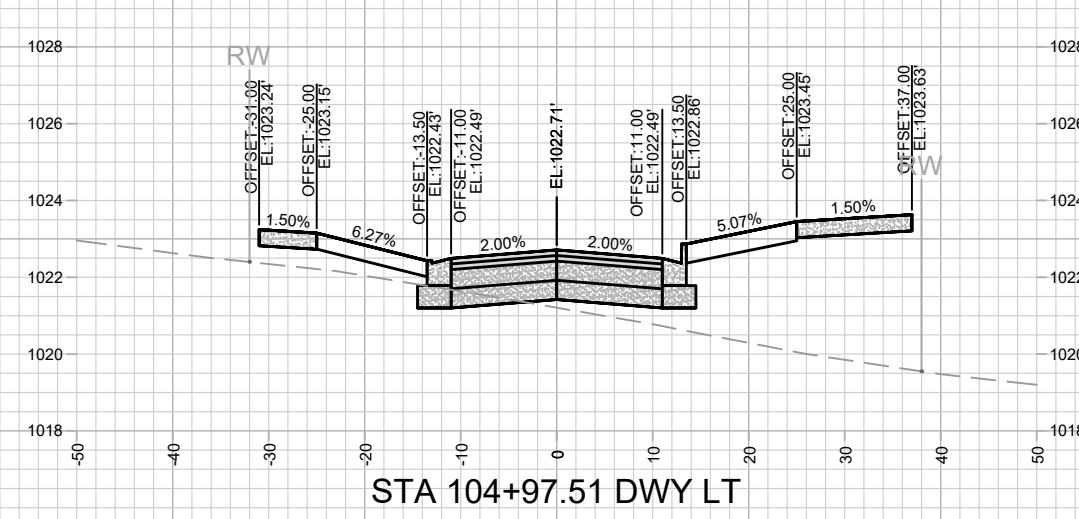
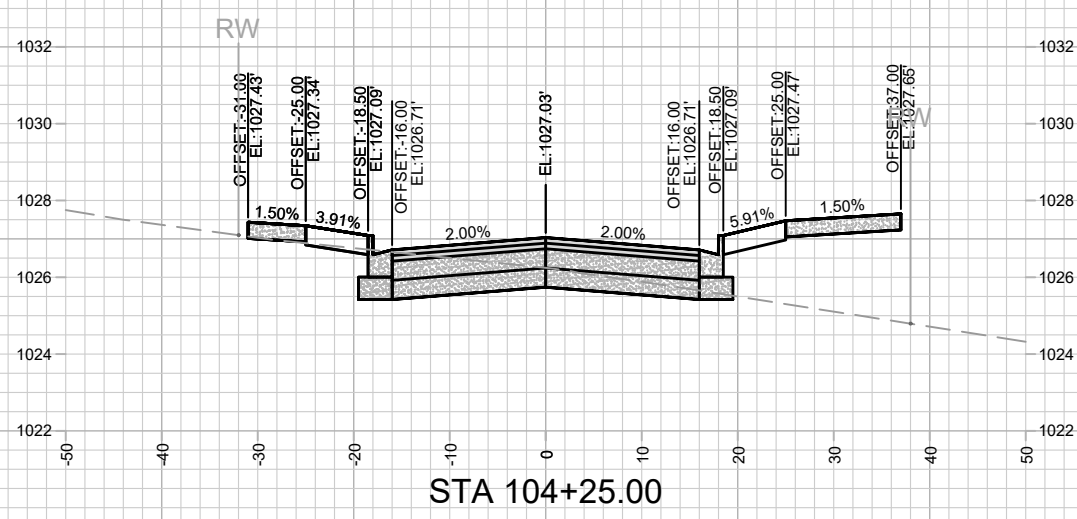
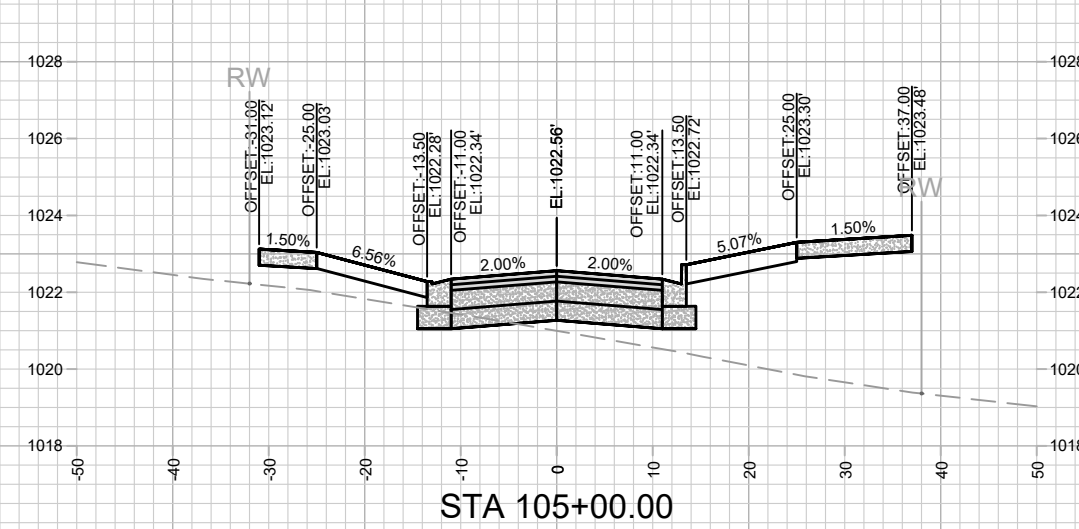
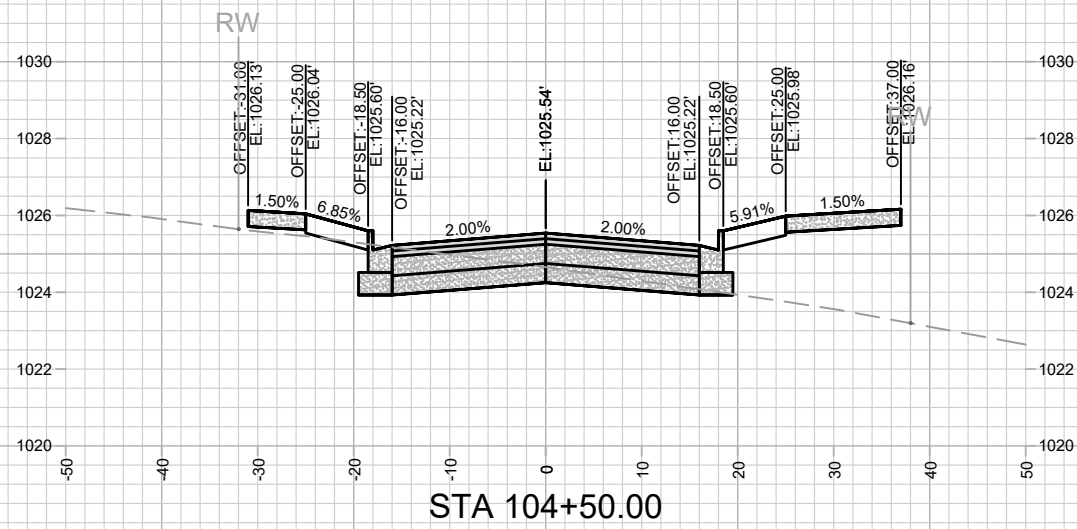
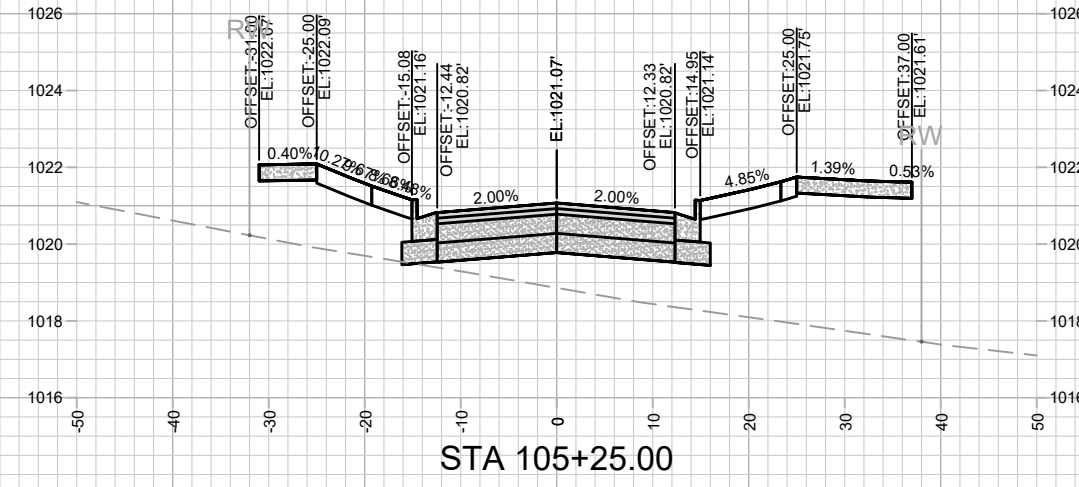
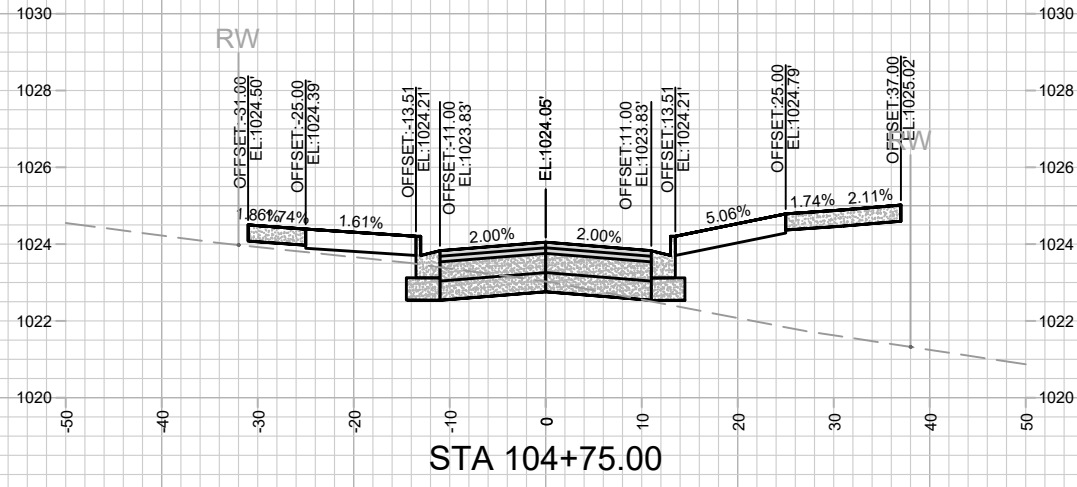
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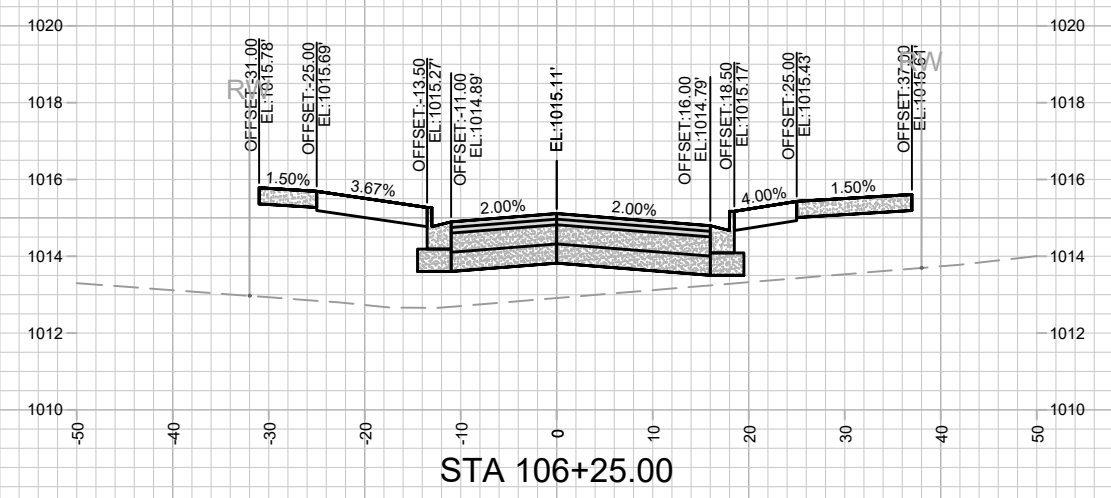
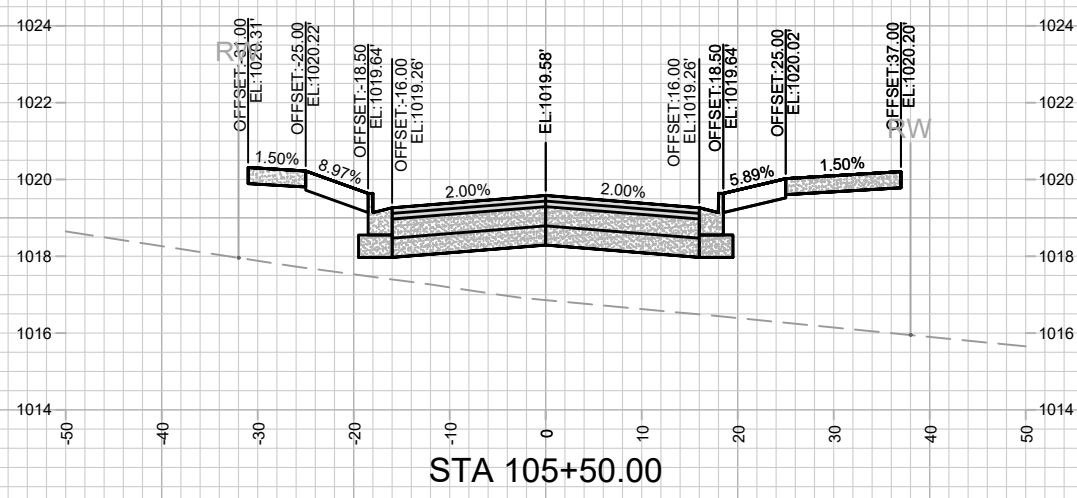
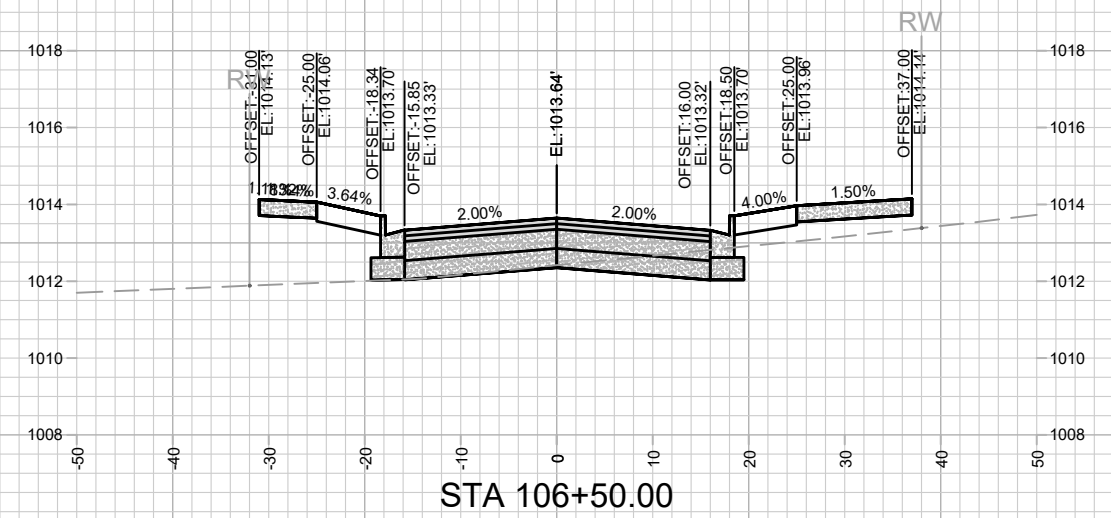
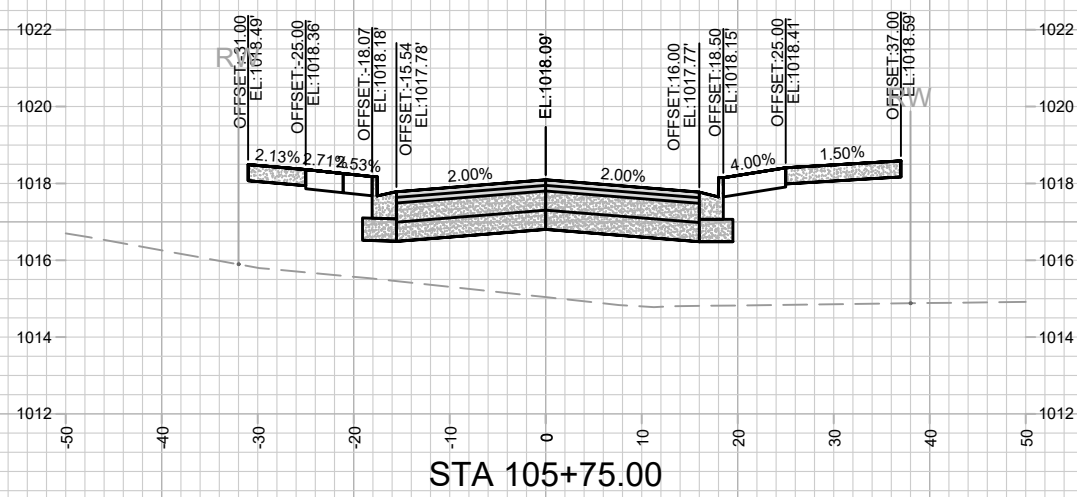
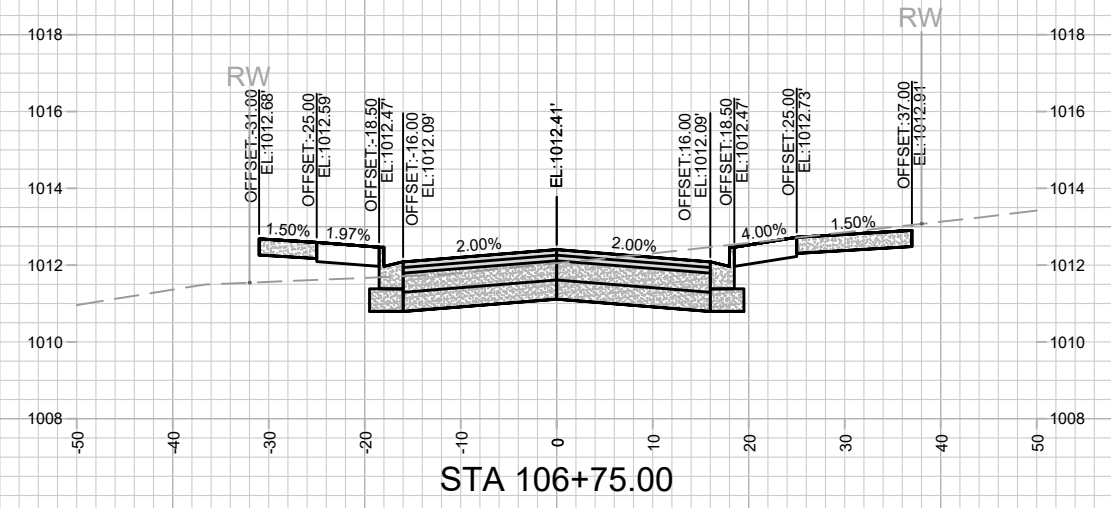
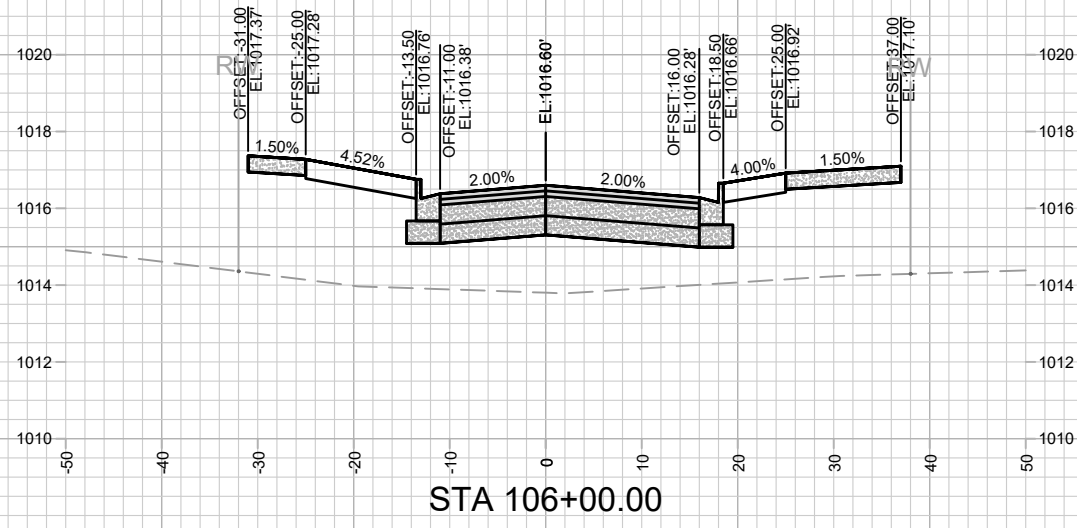
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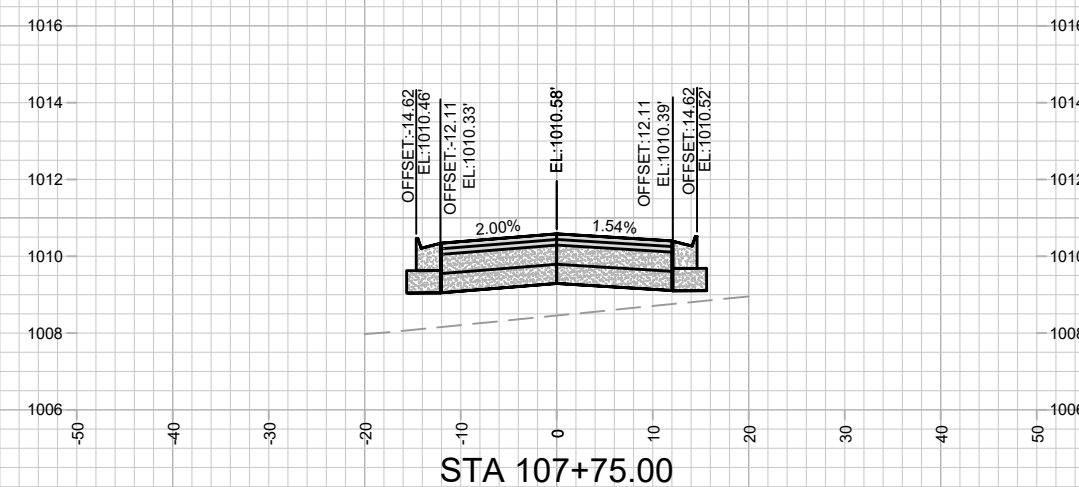
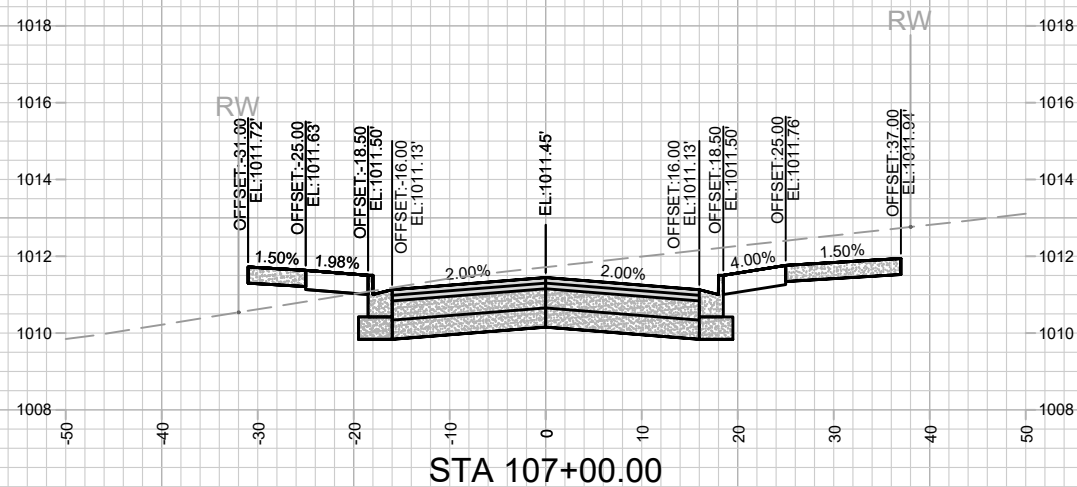
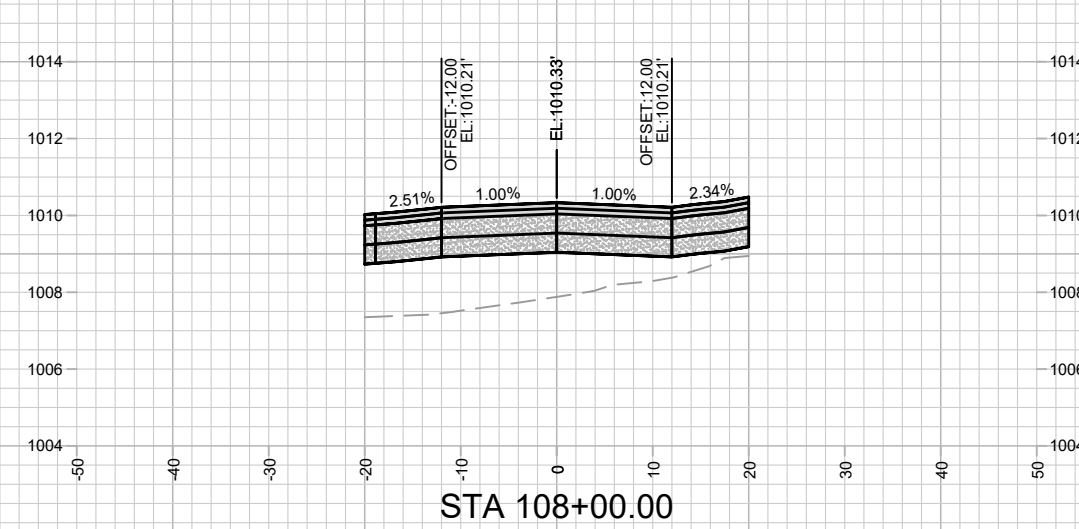
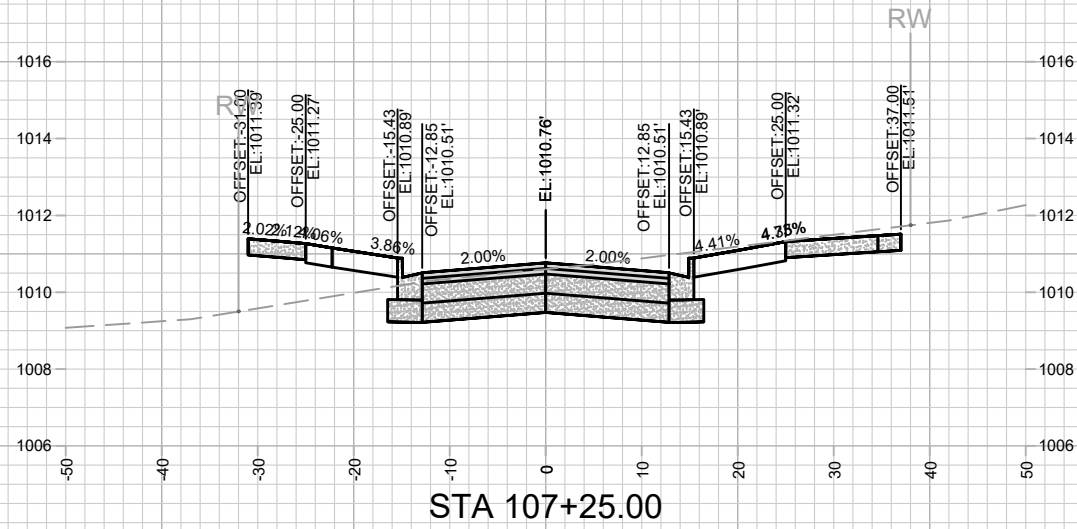
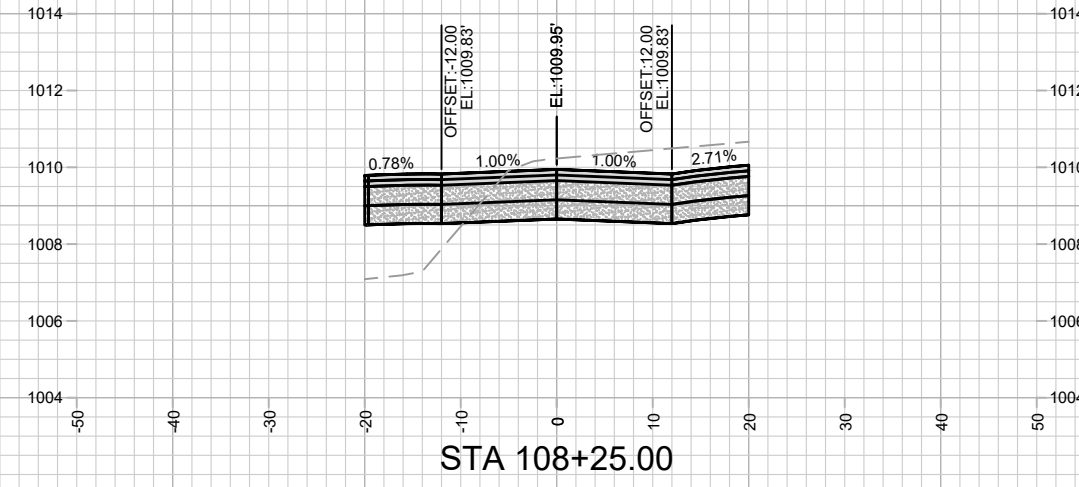
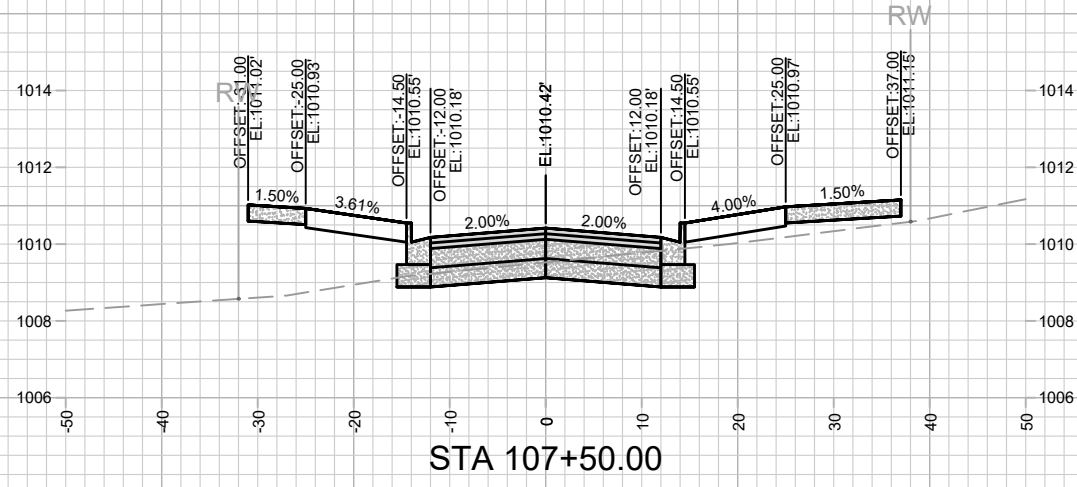
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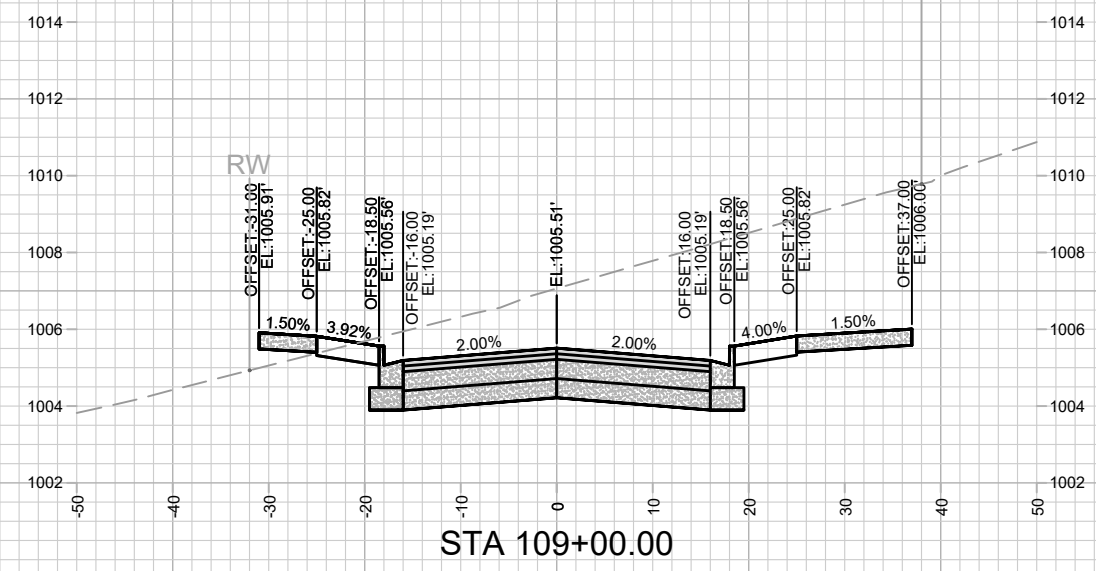
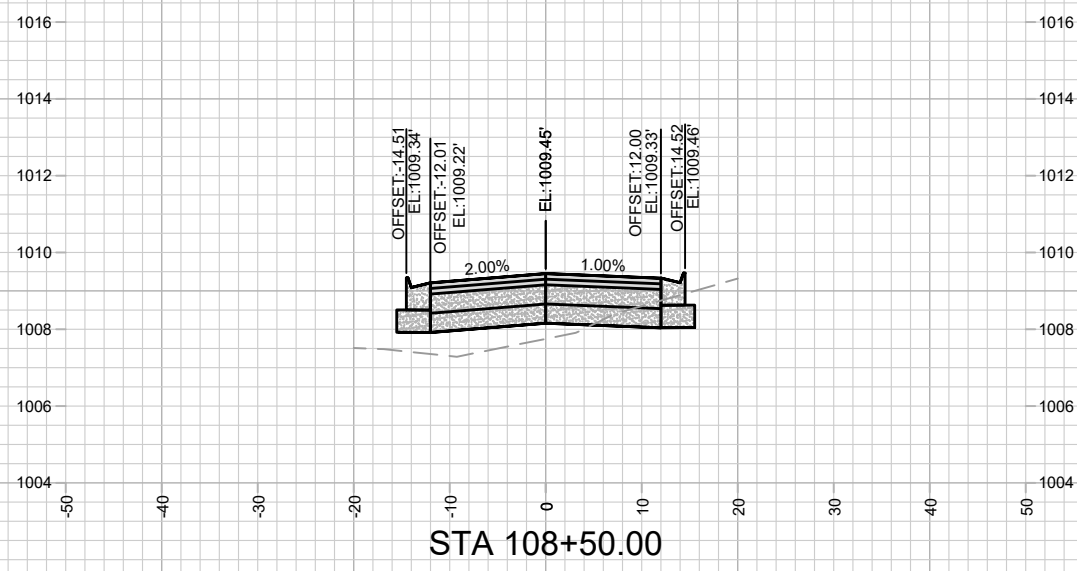
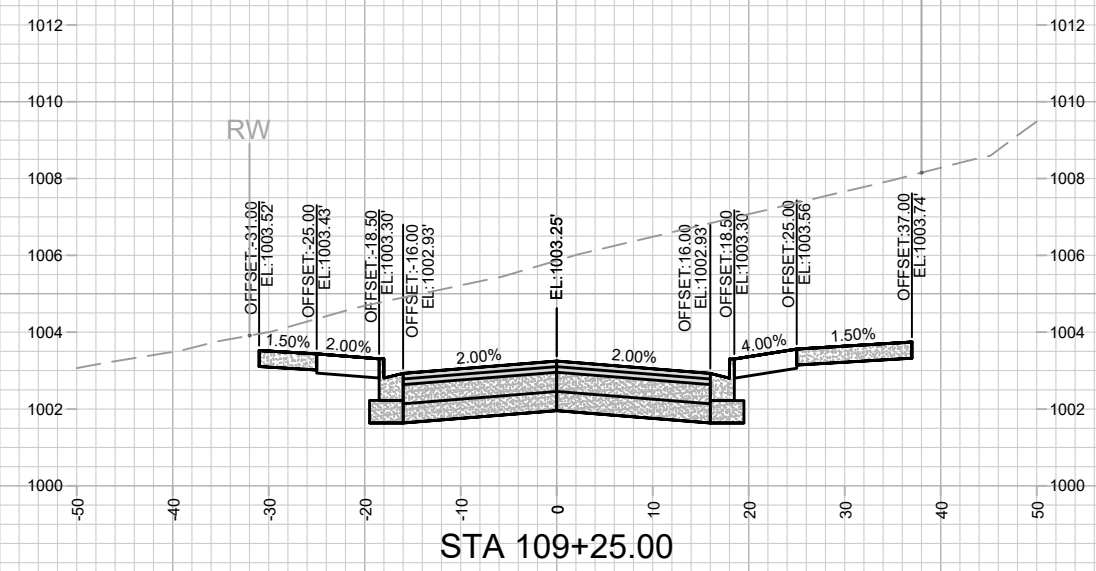
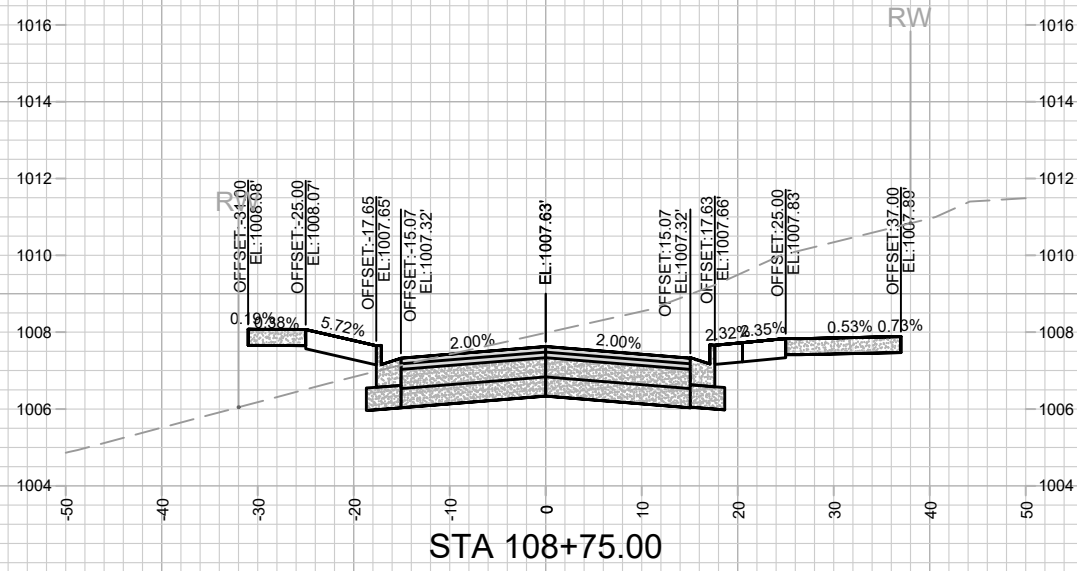
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13355
MADISON, WI
9003
CONTRACT NO:

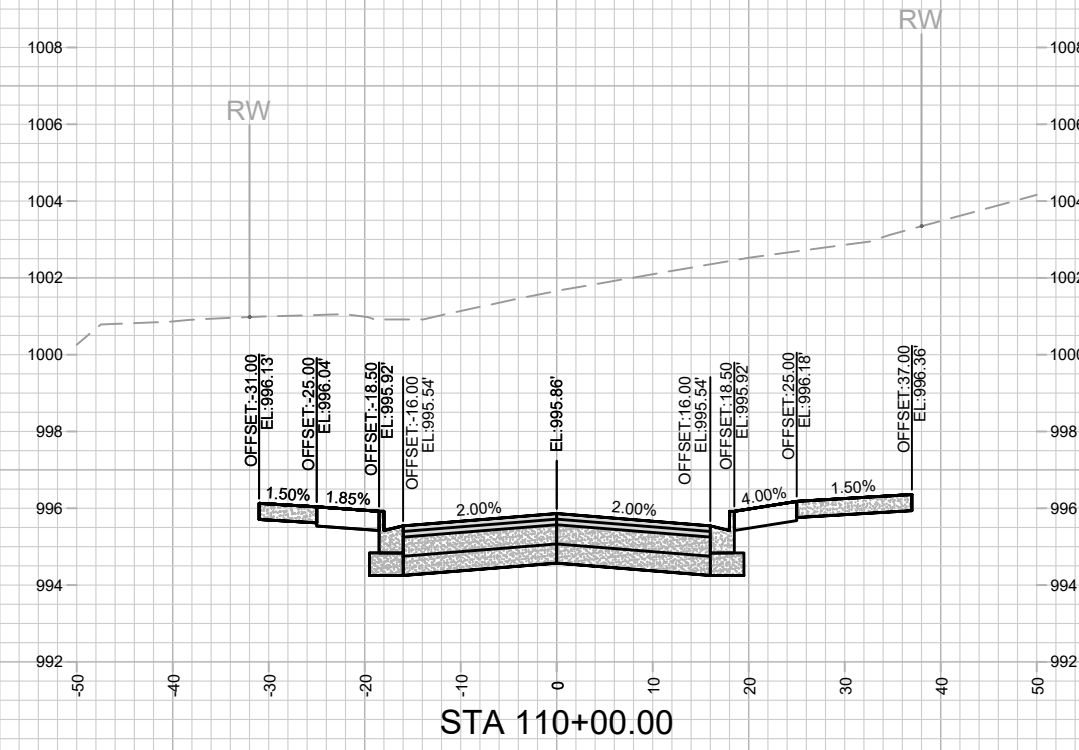
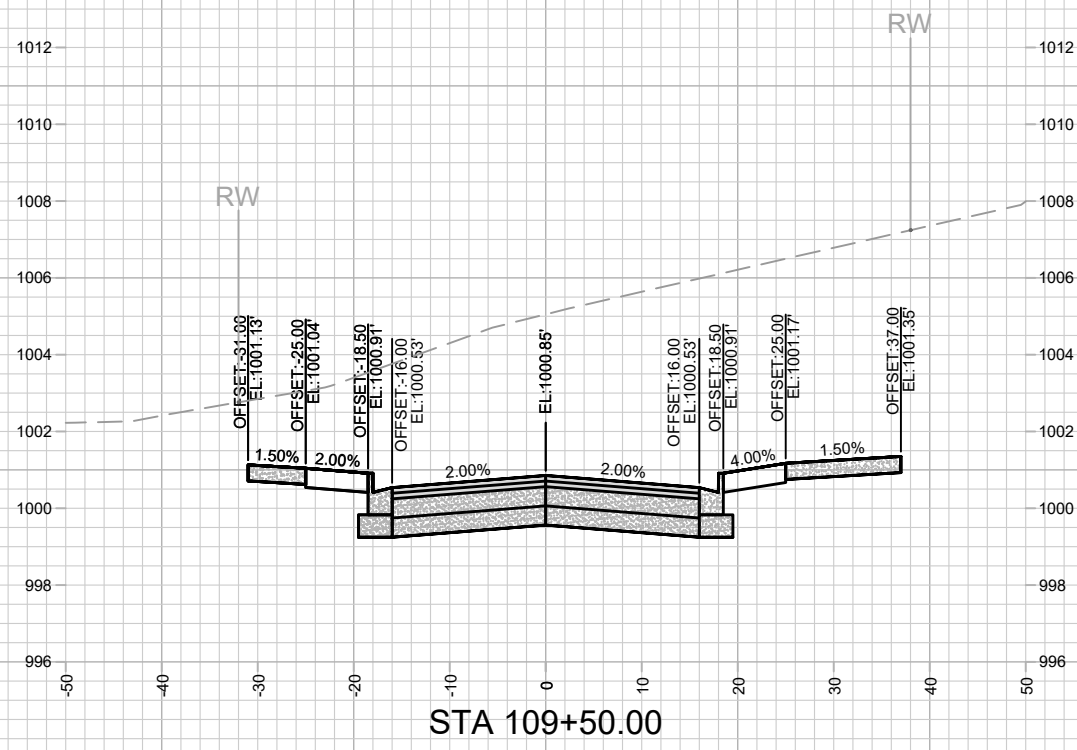
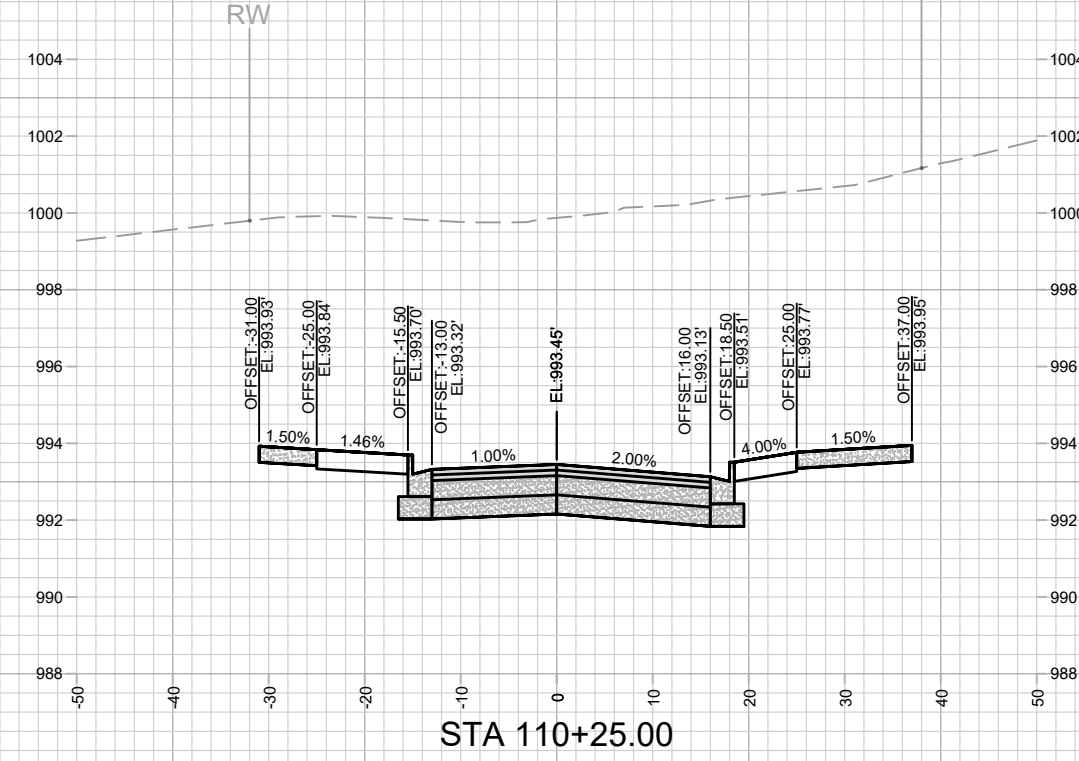
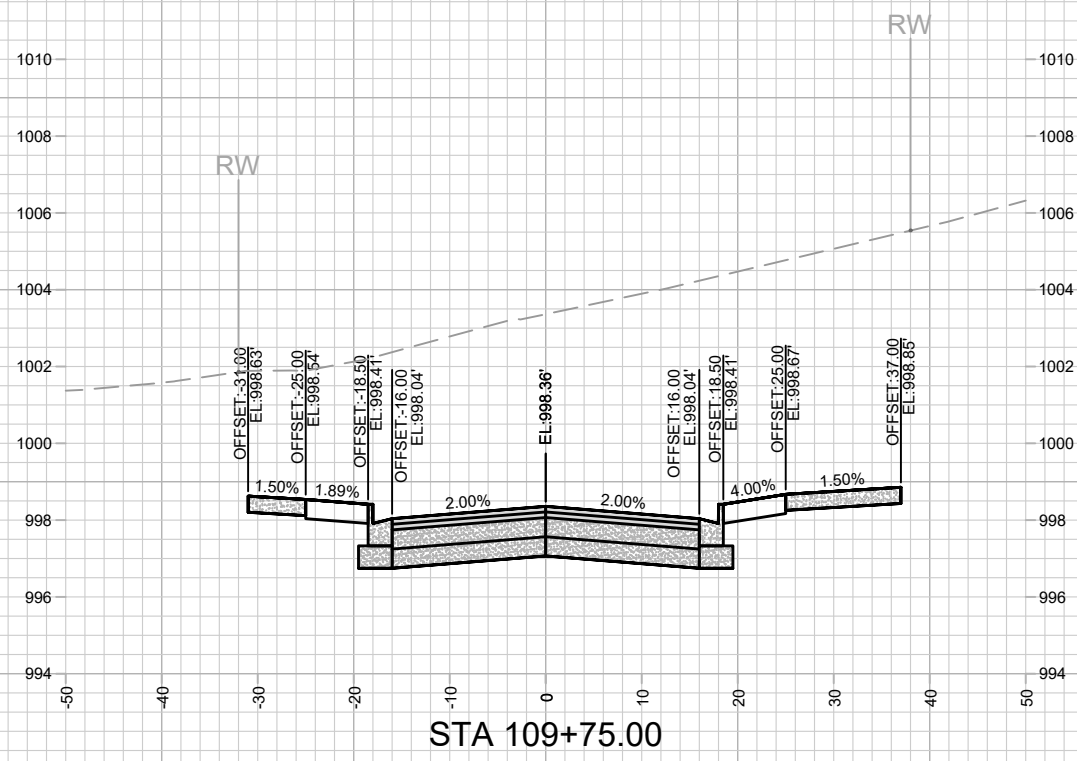
ELEMENT WAY CROSS SECTIONS
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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13355
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 MADISON, WI
 CONTRACT NO: 9003



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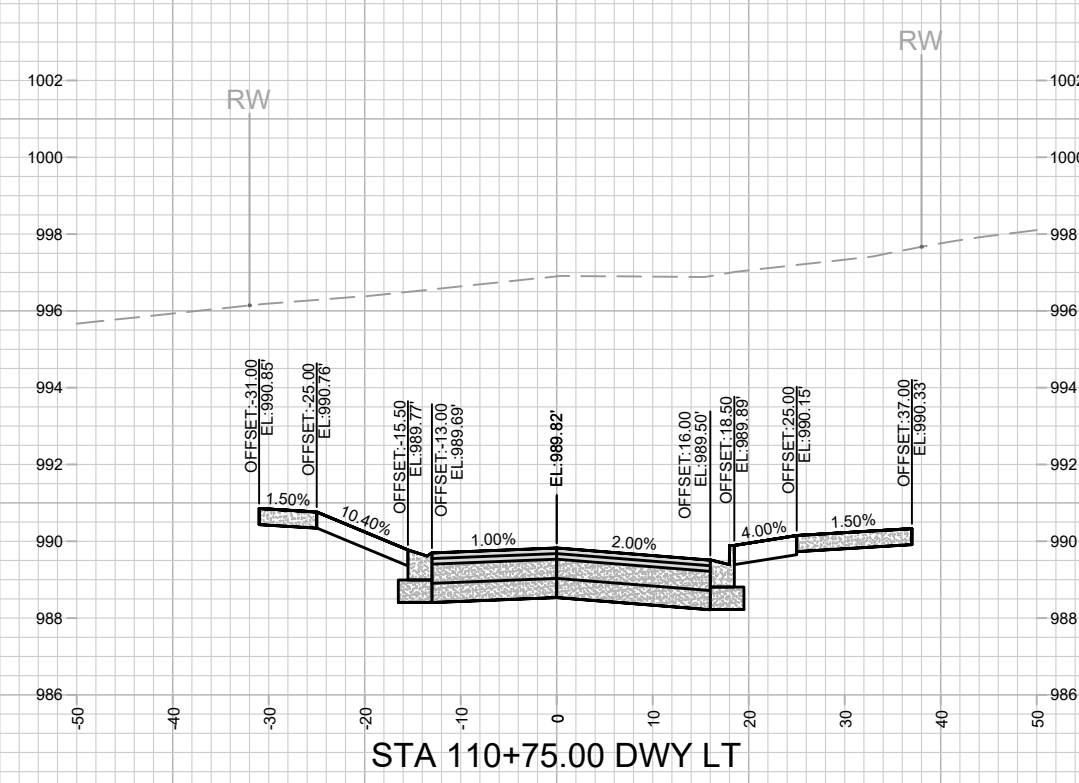
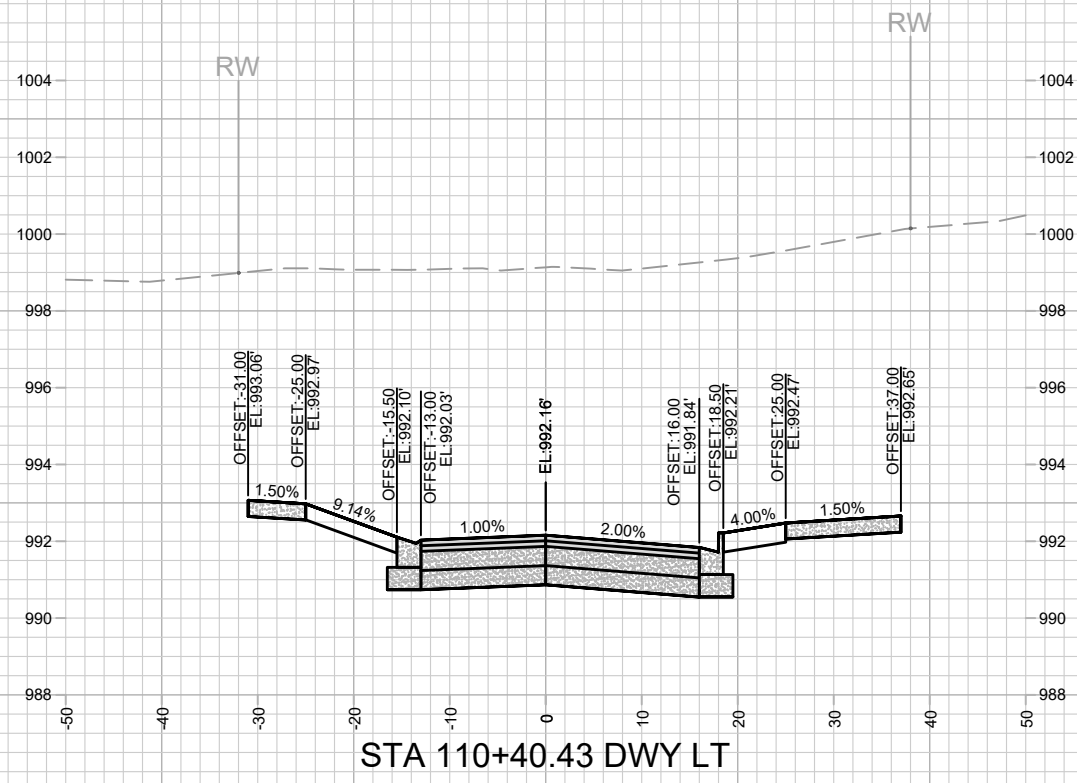
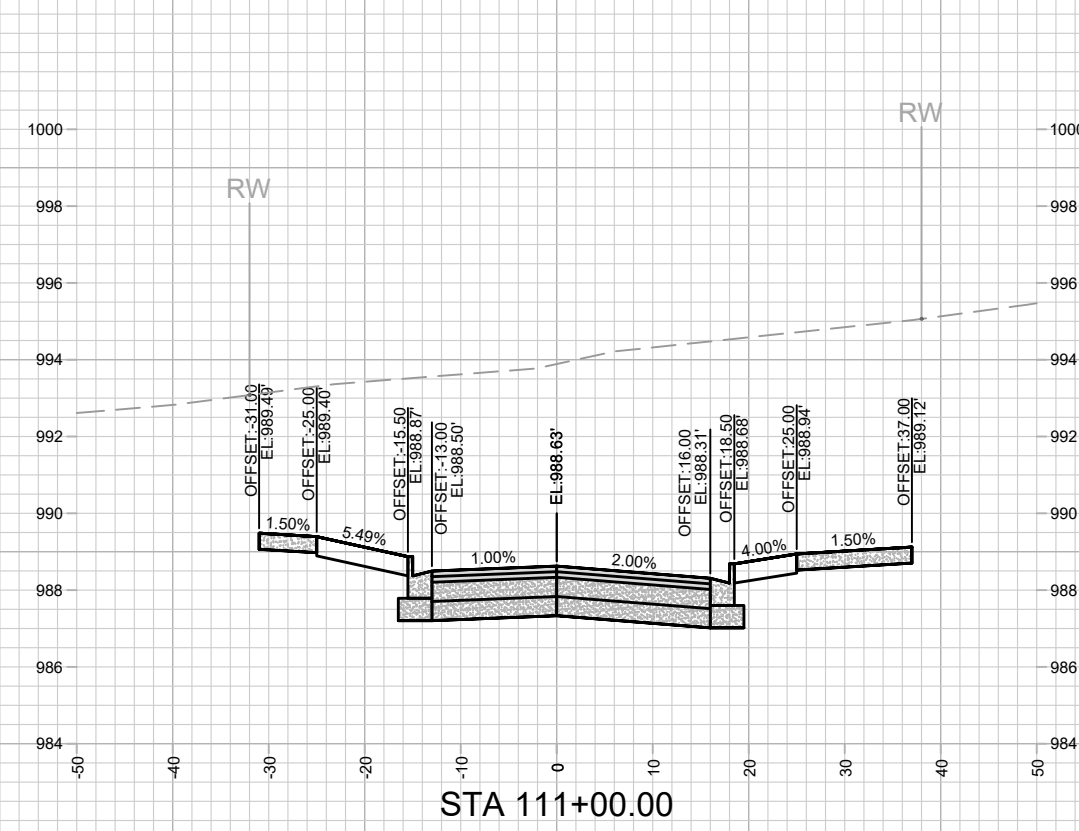
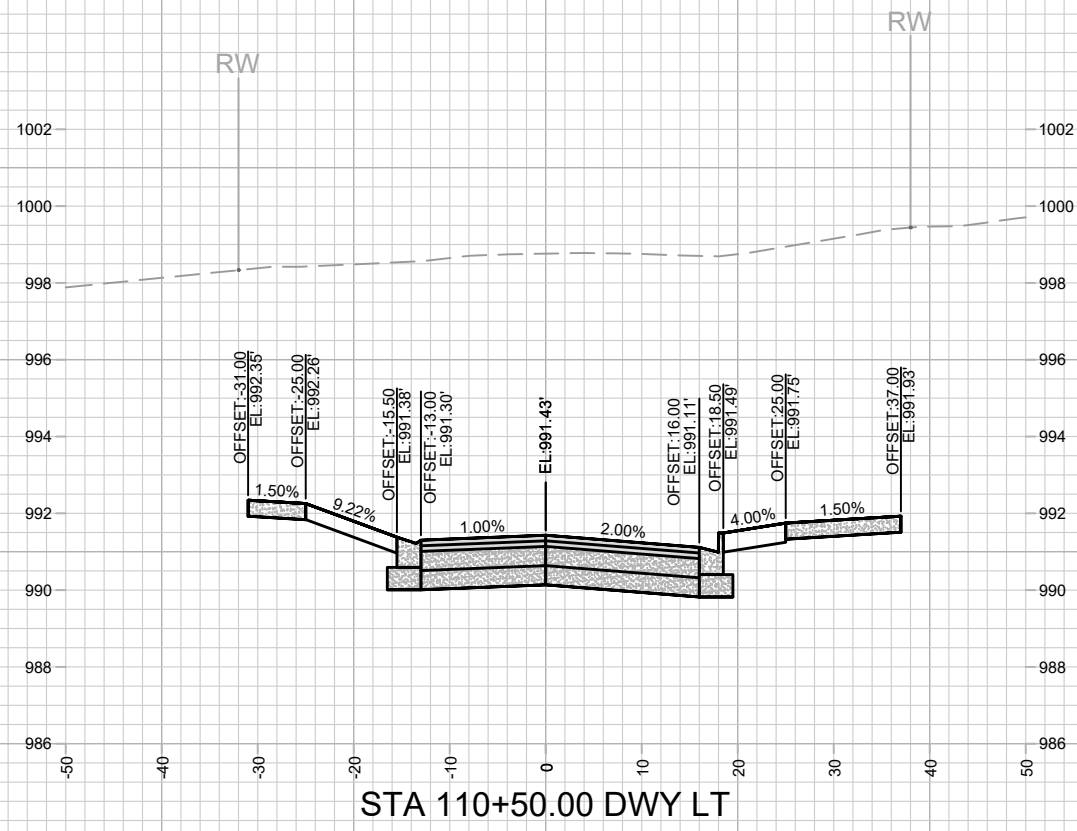
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 MADISON, WI
 CONTRACT NO: 9003

ELEMENT WAY CROSS SECTIONS
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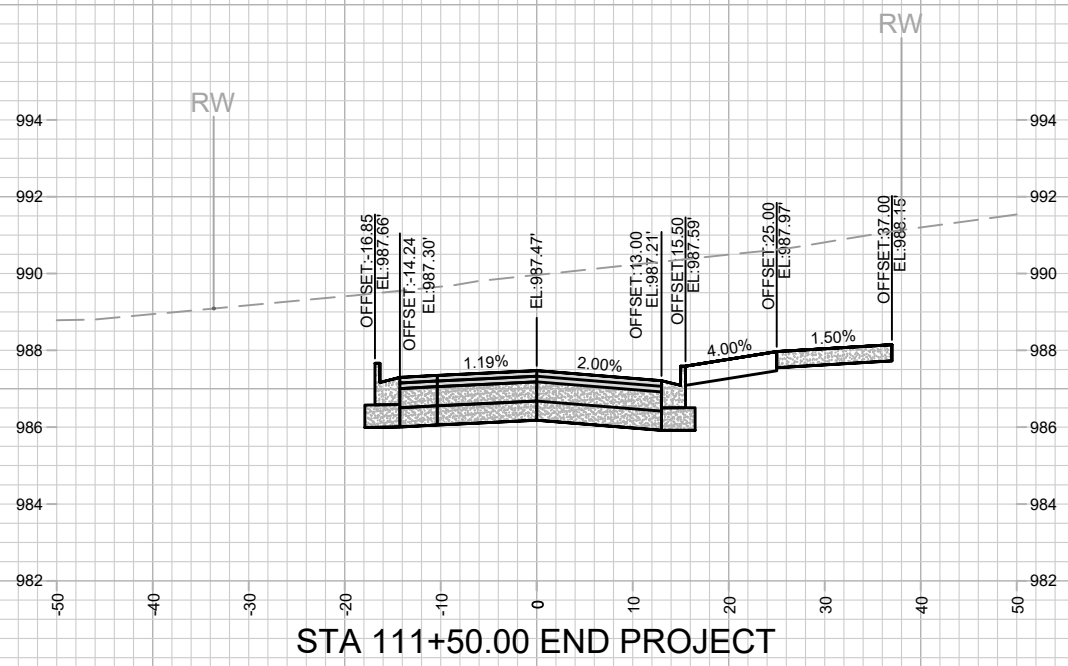
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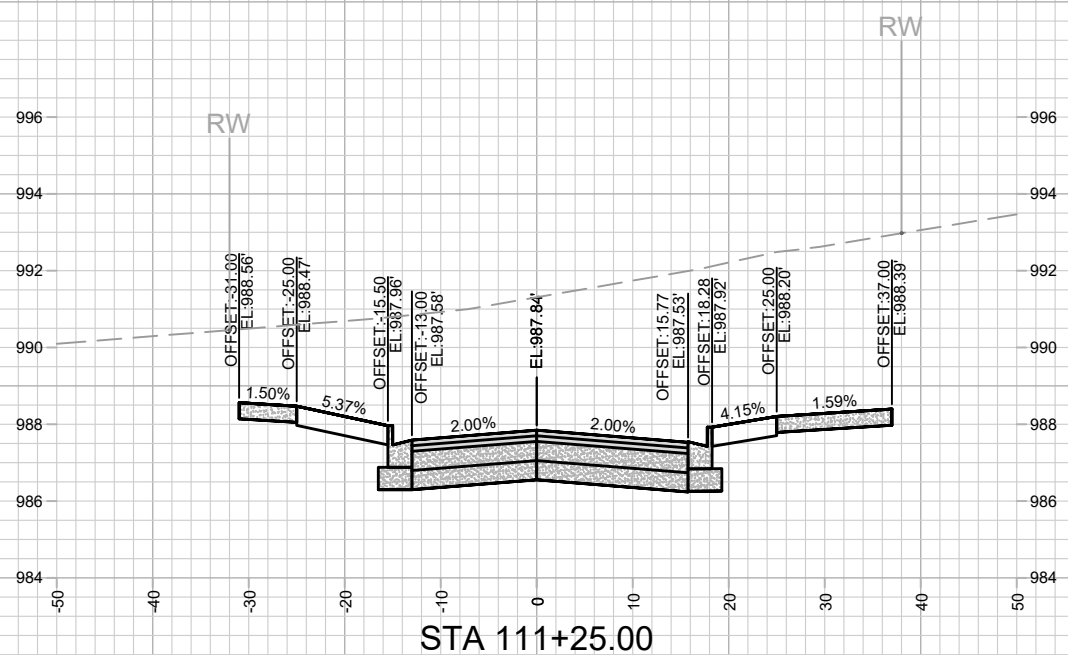
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 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 MADISON, WI
 CONTRACT NO: 9003
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STA 111+50.00 END PROJECT



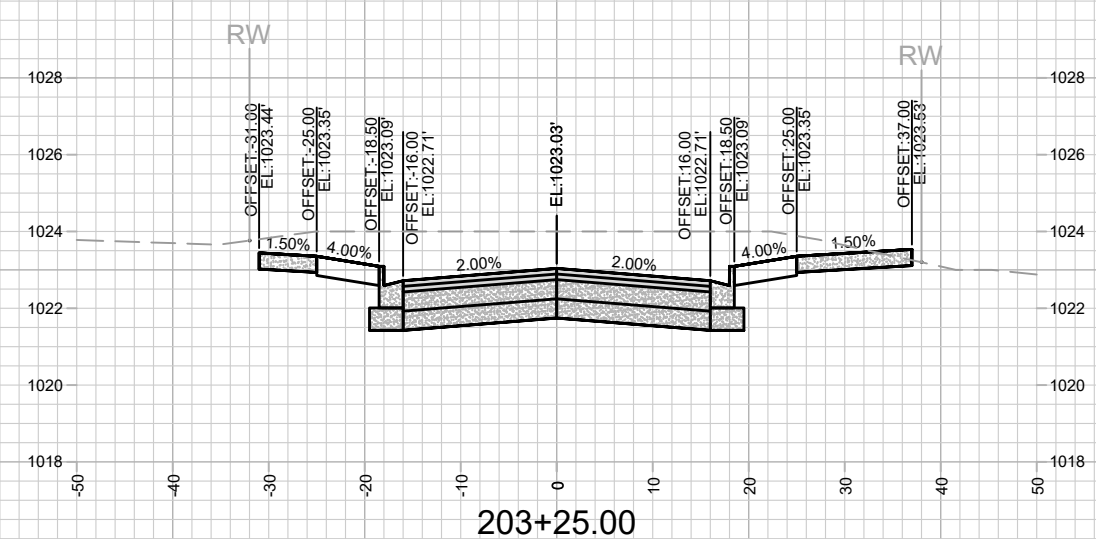
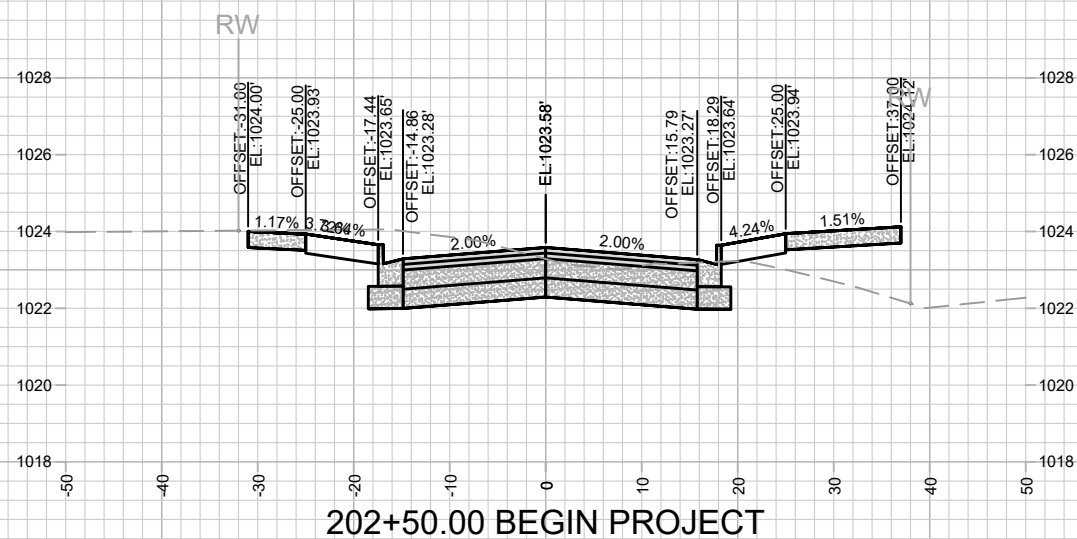
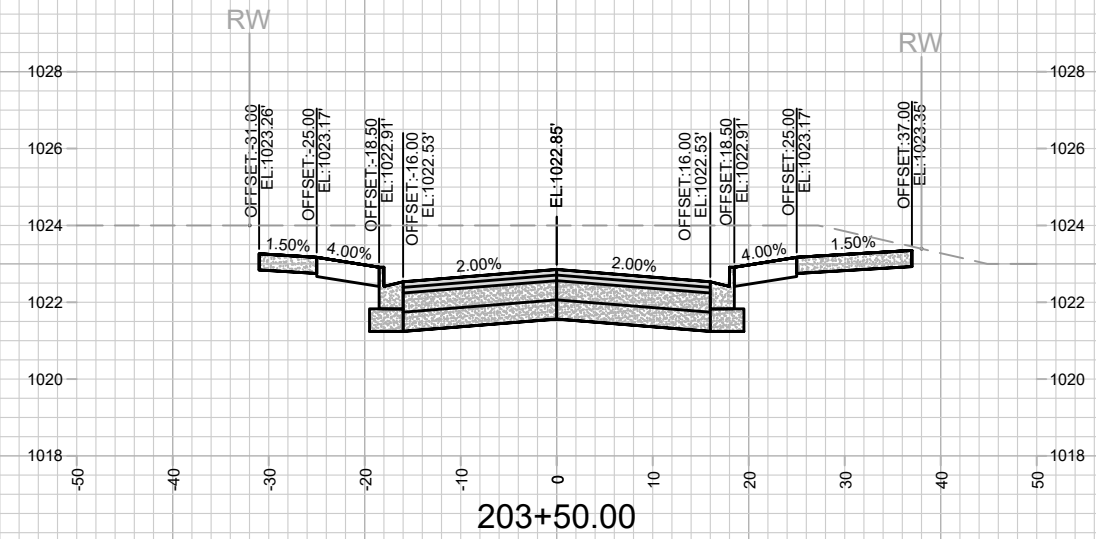
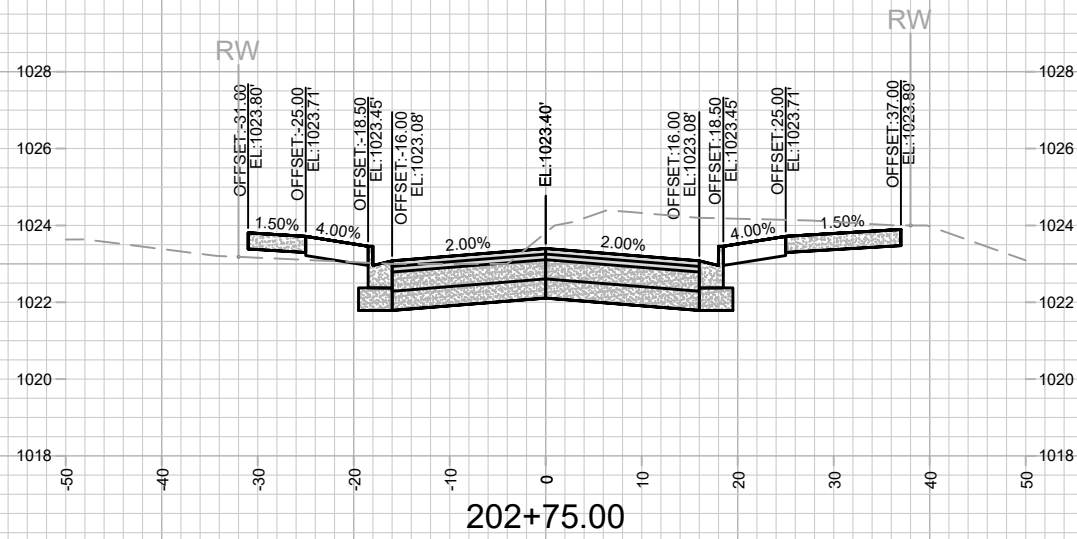
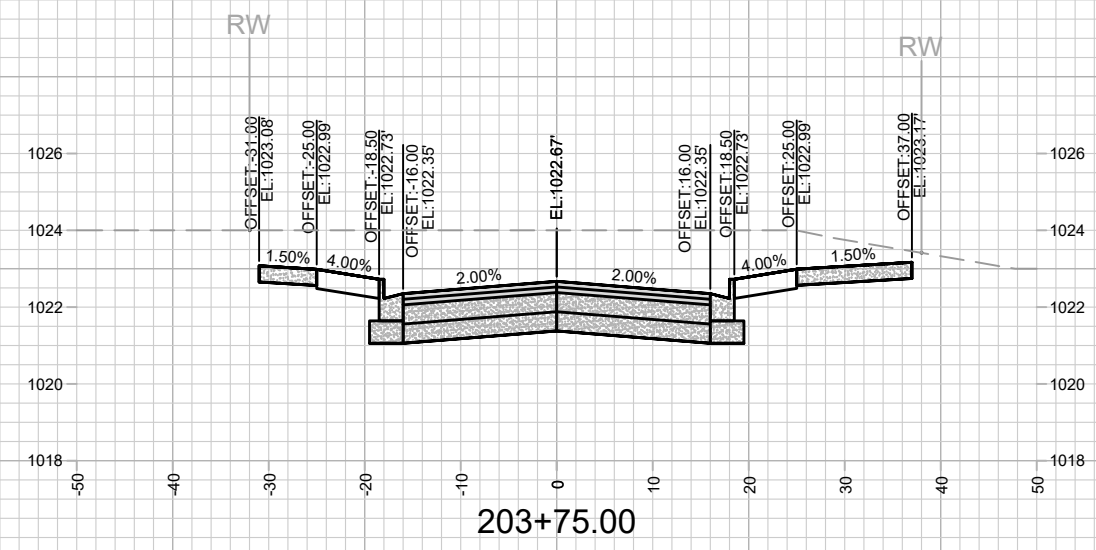
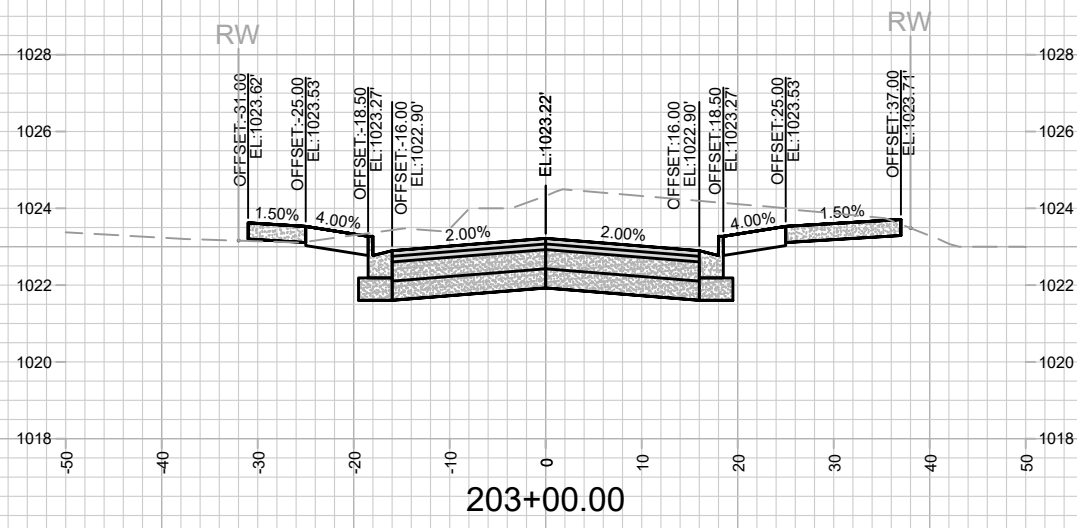
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 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 MADISON, WI
 CONTRACT NO: 9003
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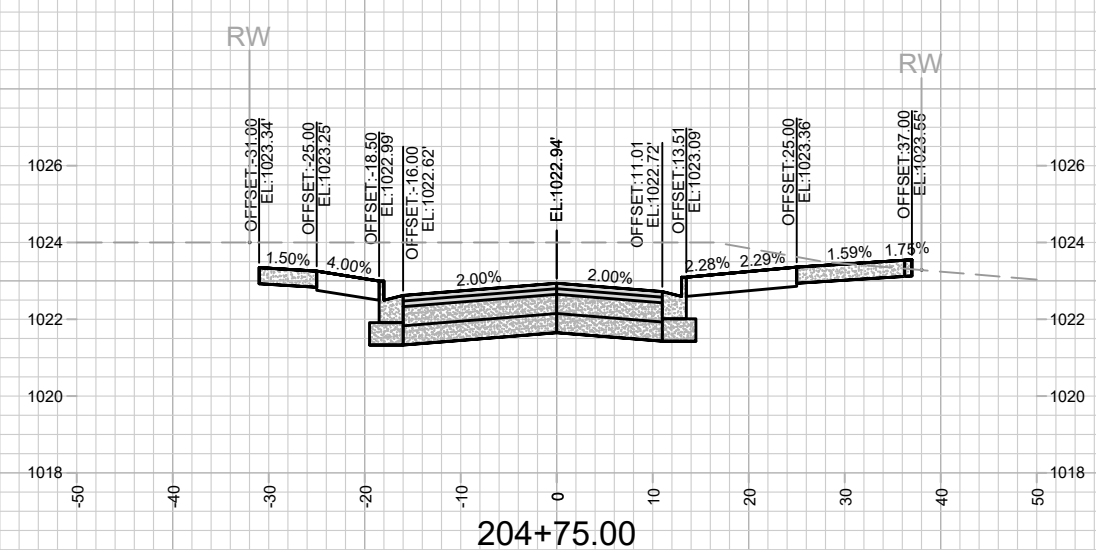
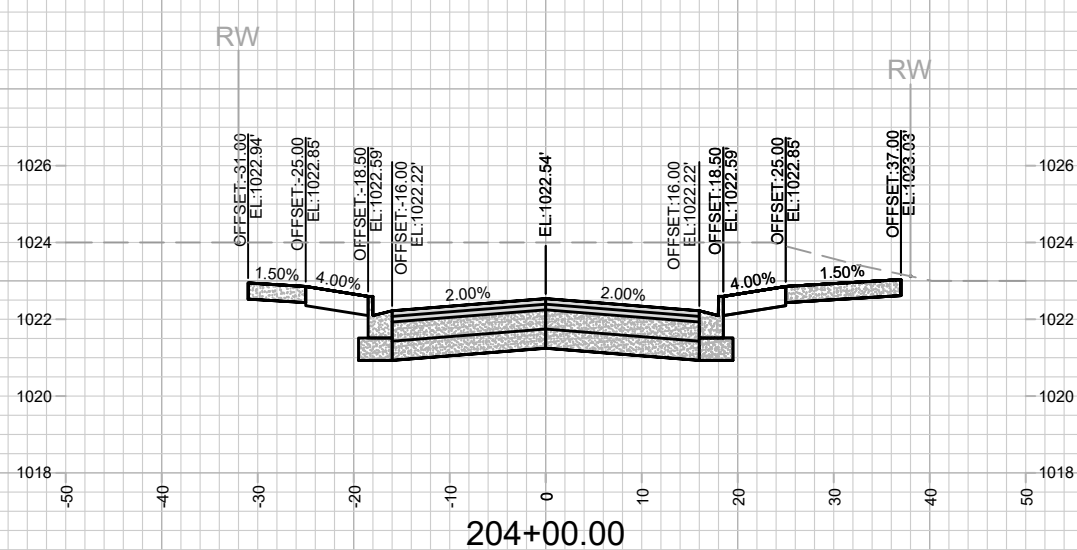
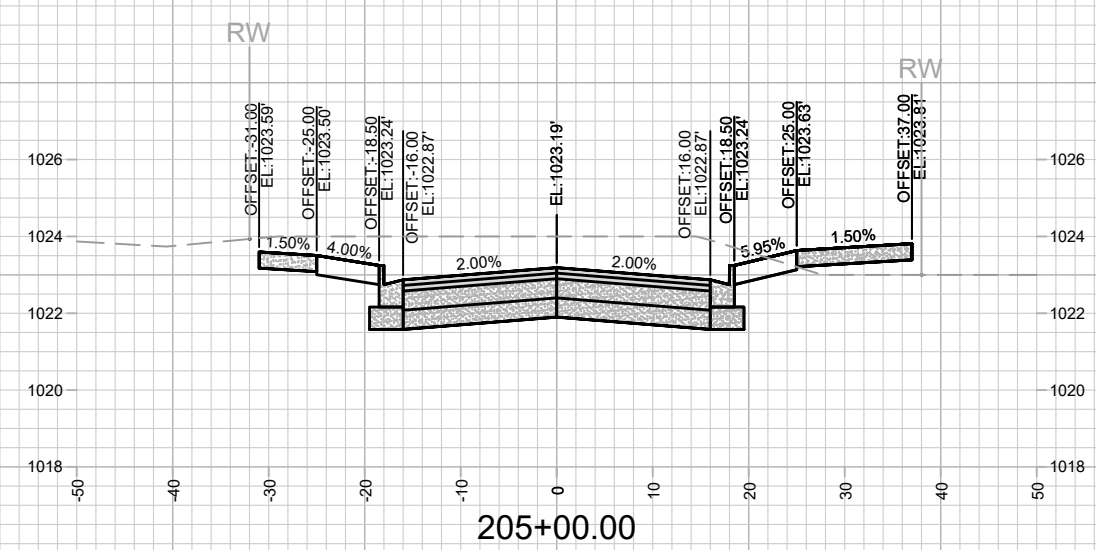
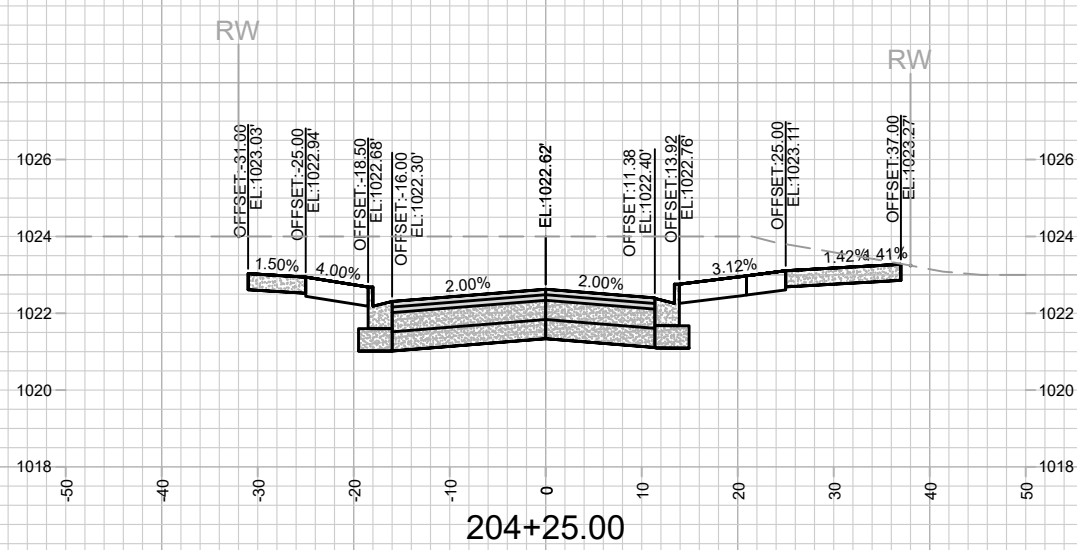
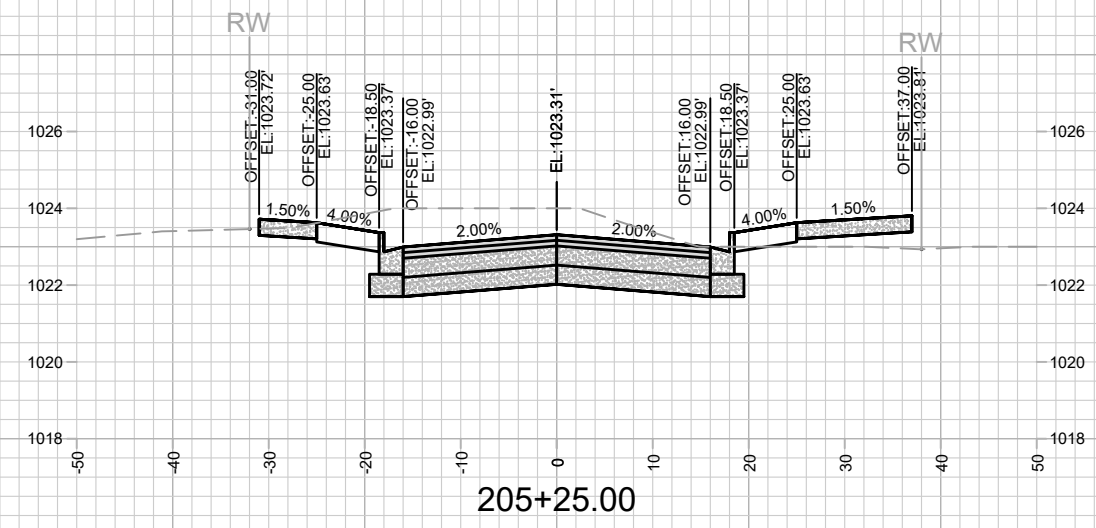
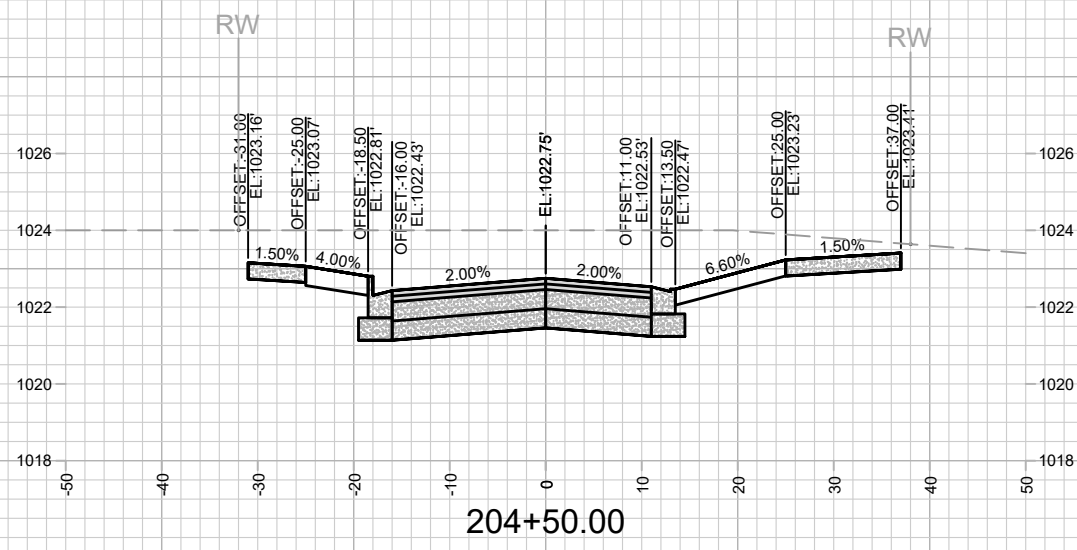


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 MADISON, WI
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CATALYST WAY CROSS SECTIONS
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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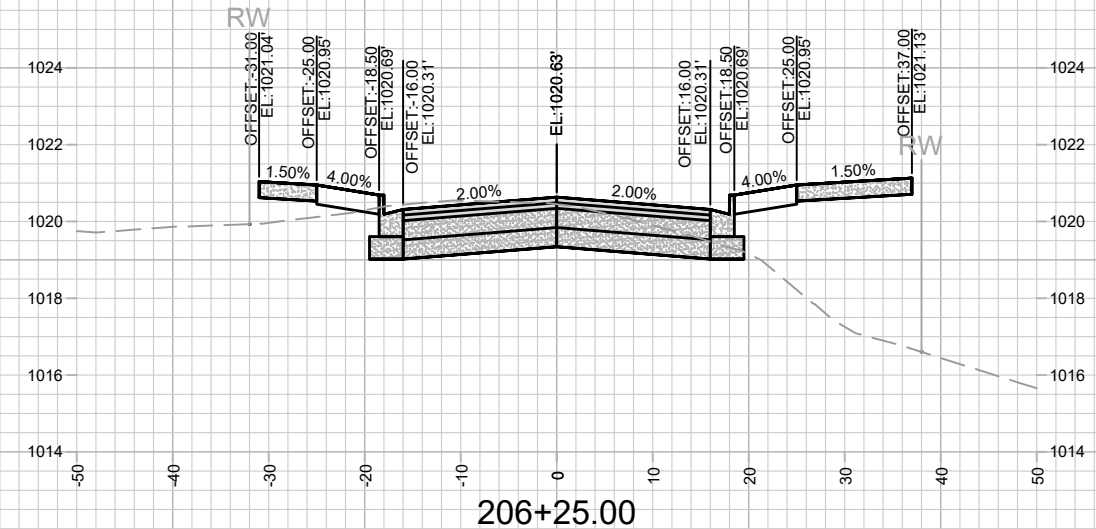
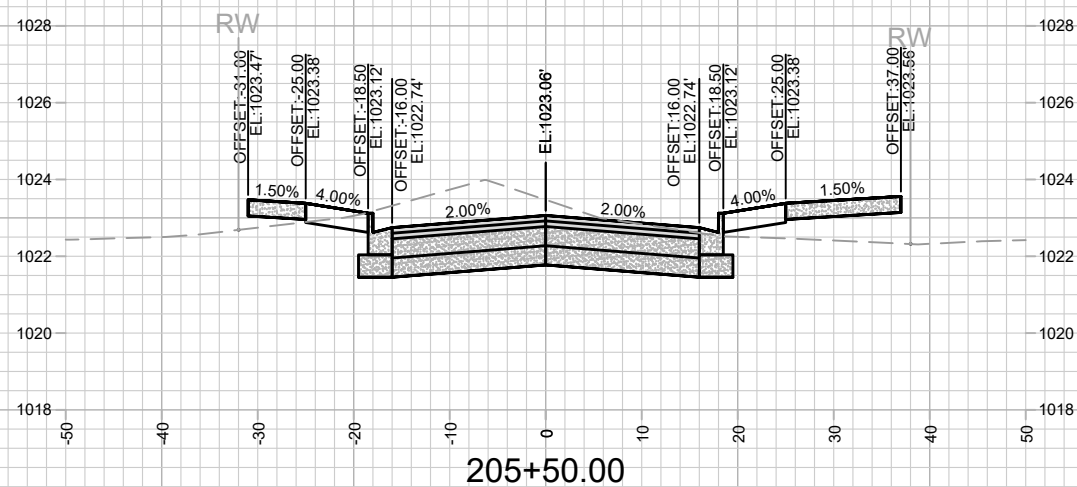
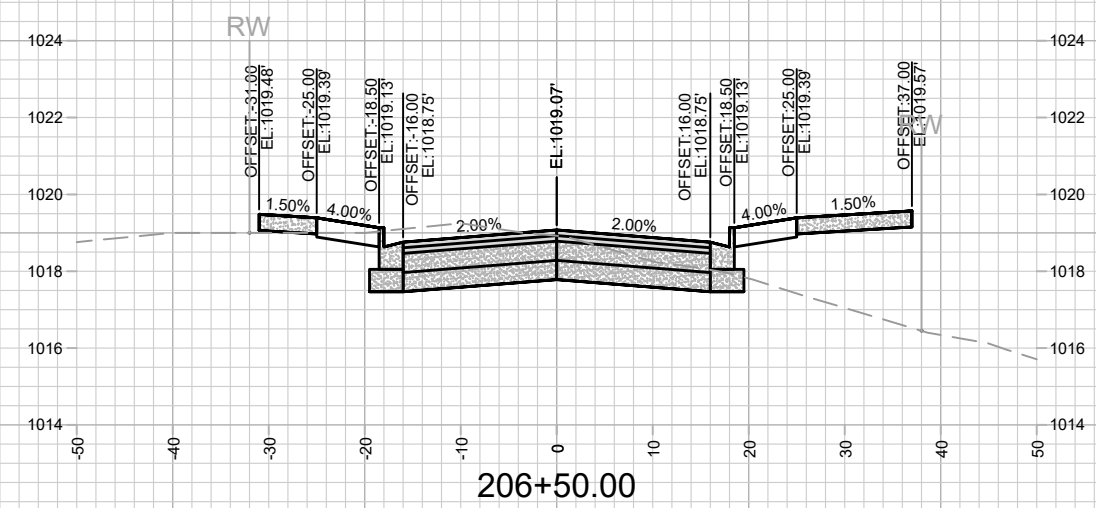
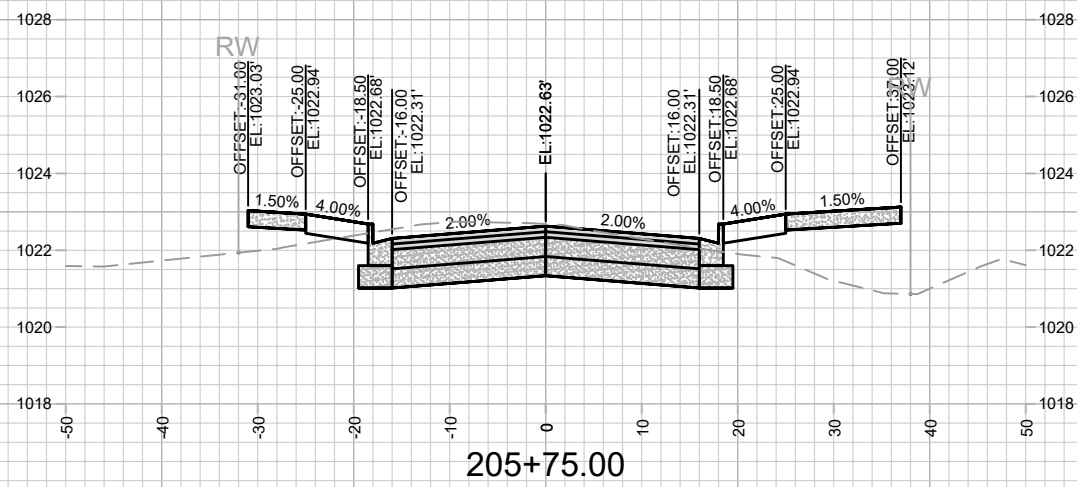
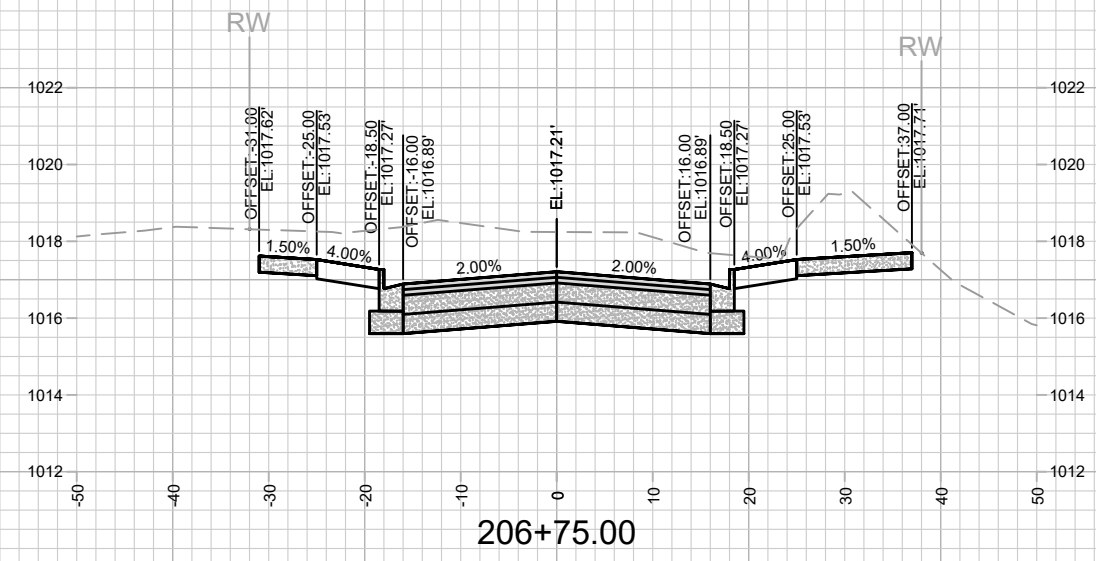
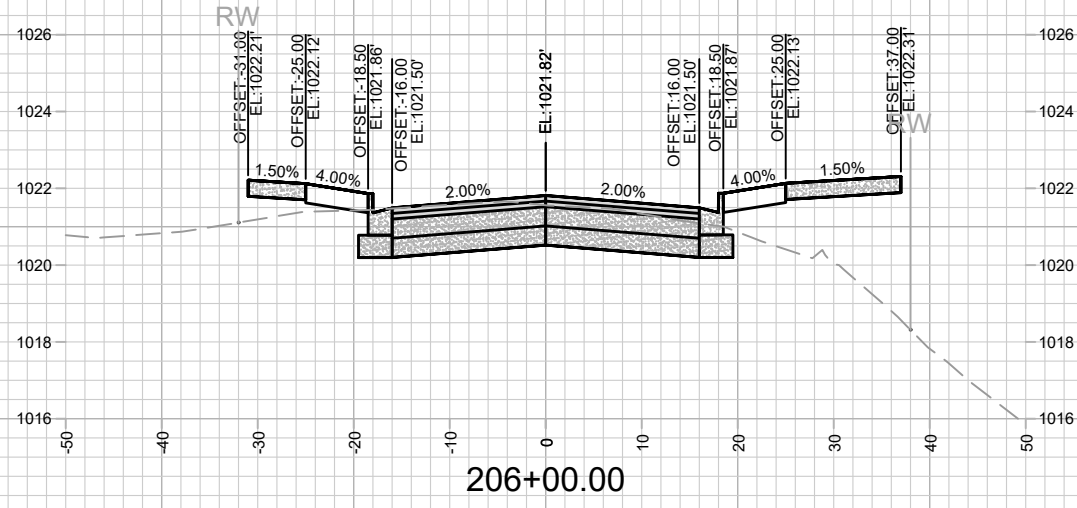
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 9003
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CATALYST WAY CROSS SECTIONS
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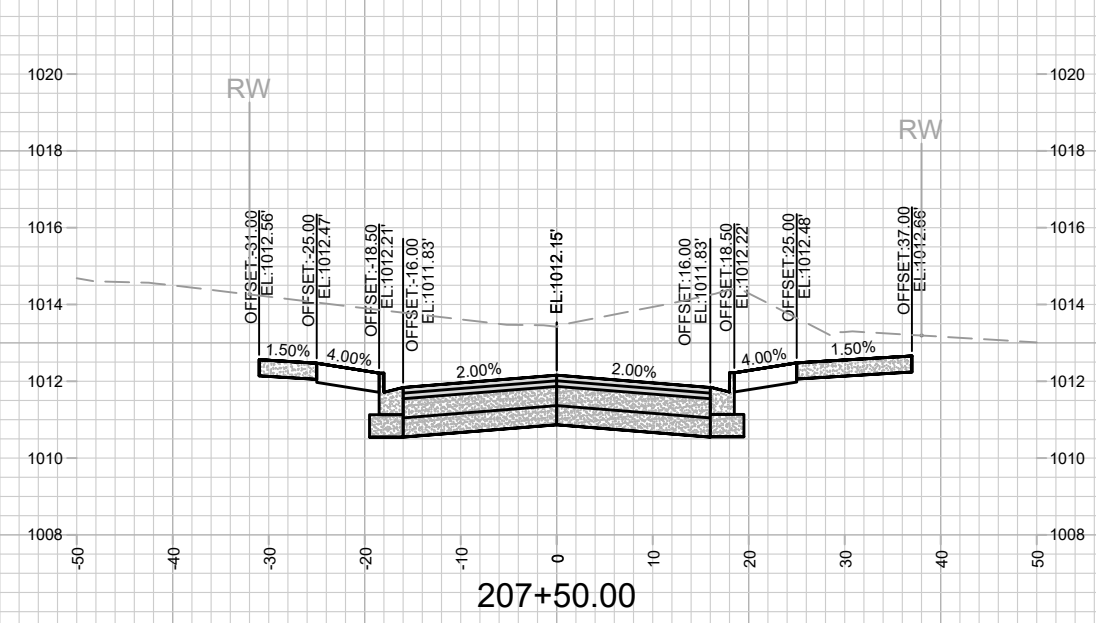
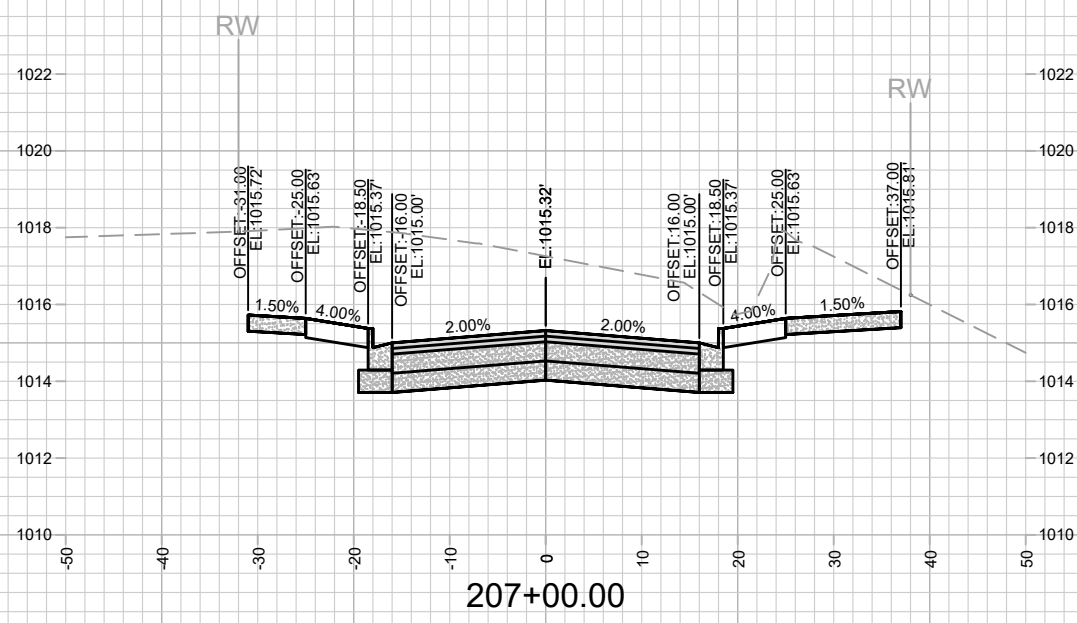
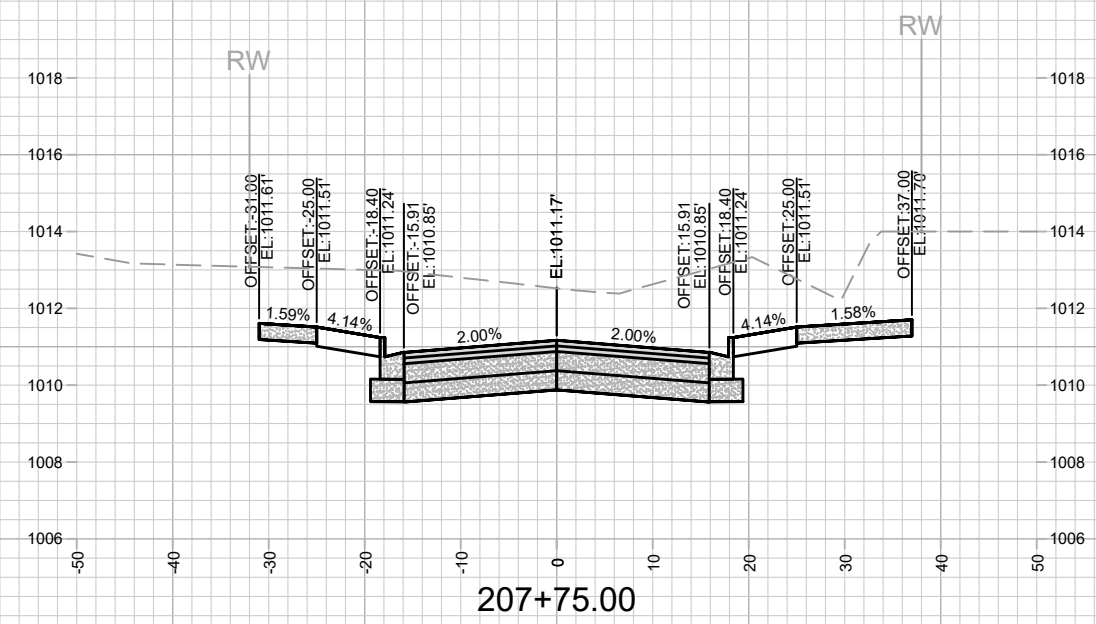
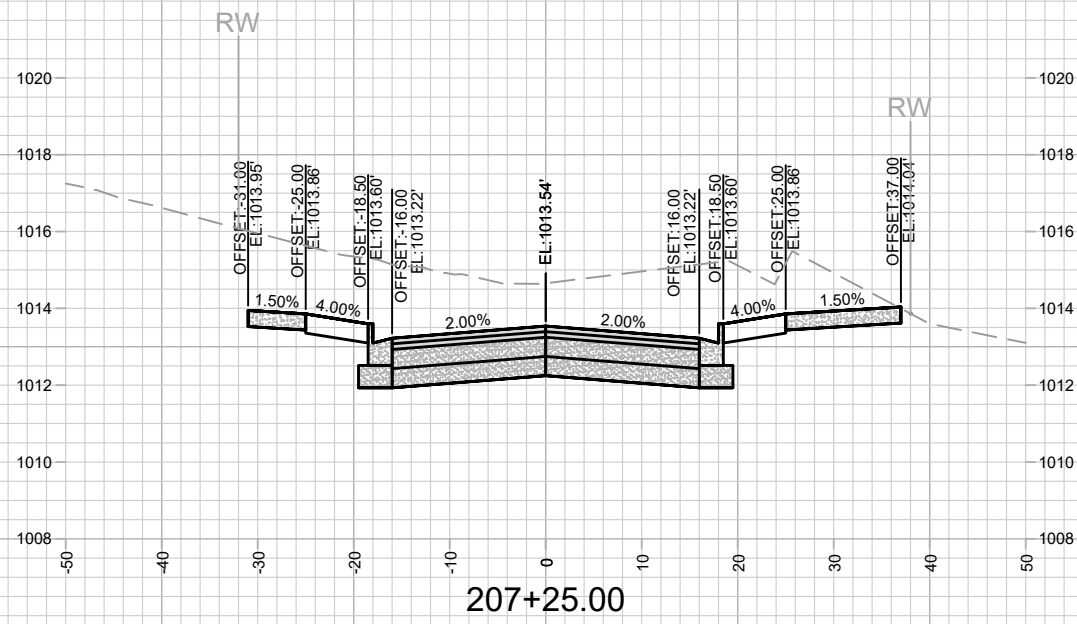


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 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 CONTRACT NO: 9003
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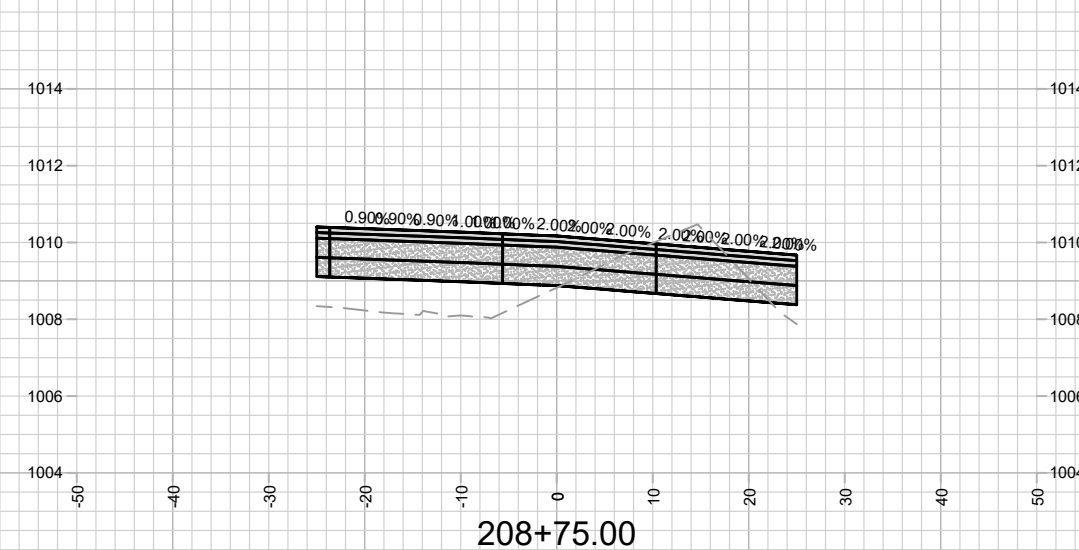
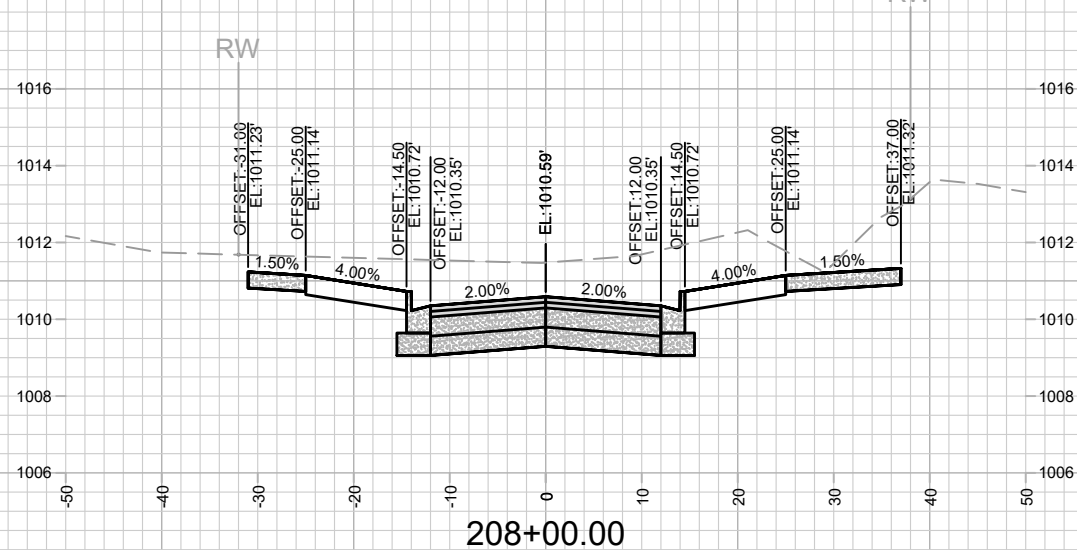
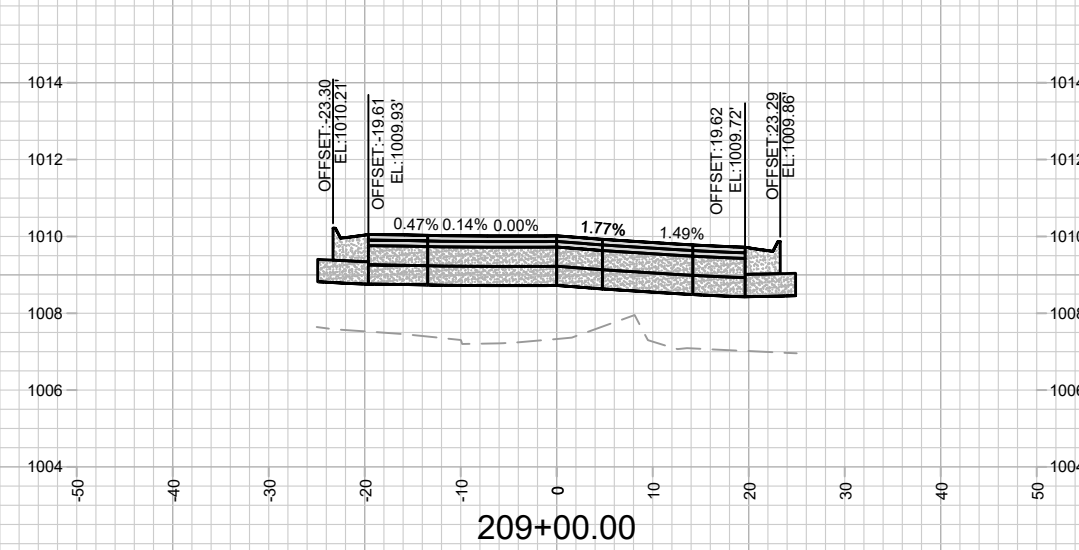
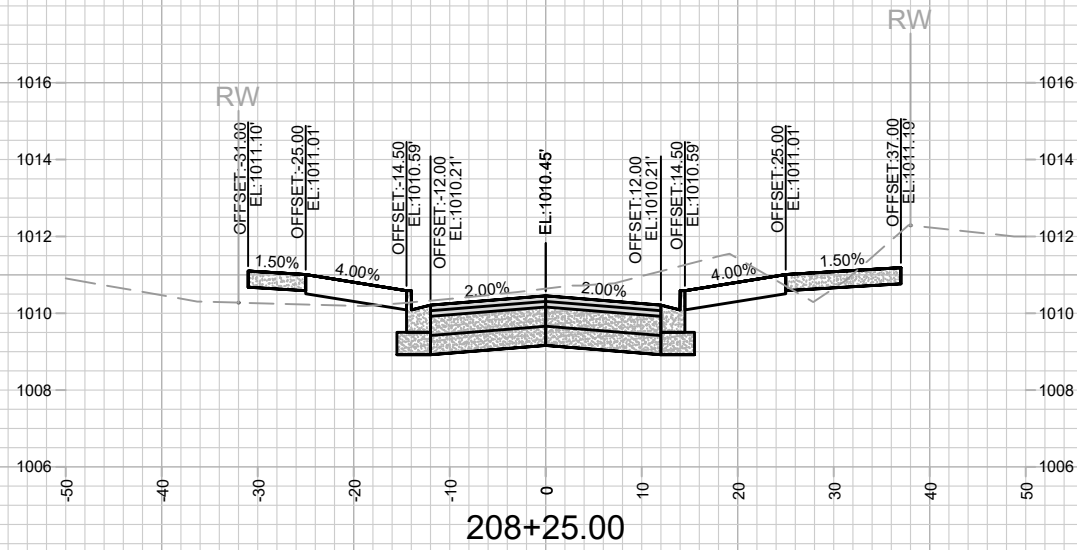
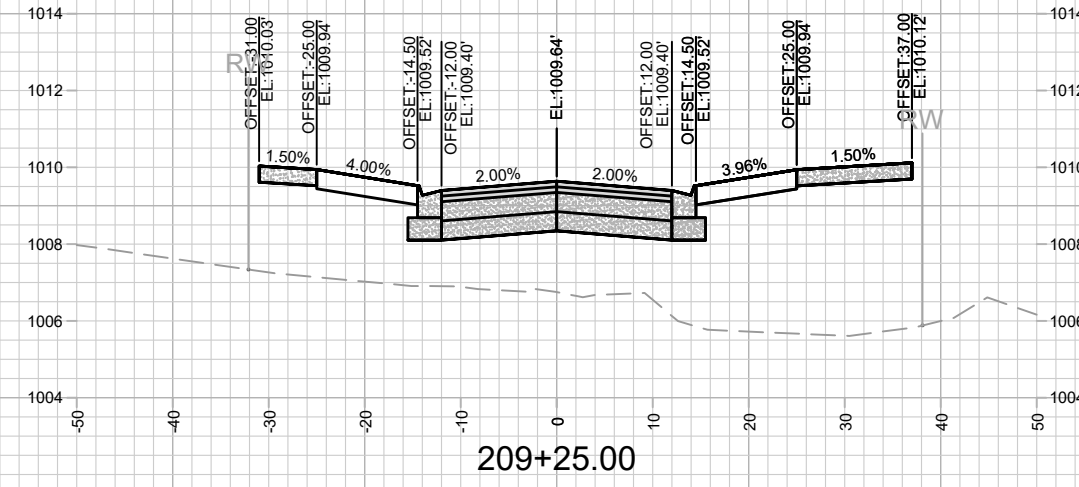
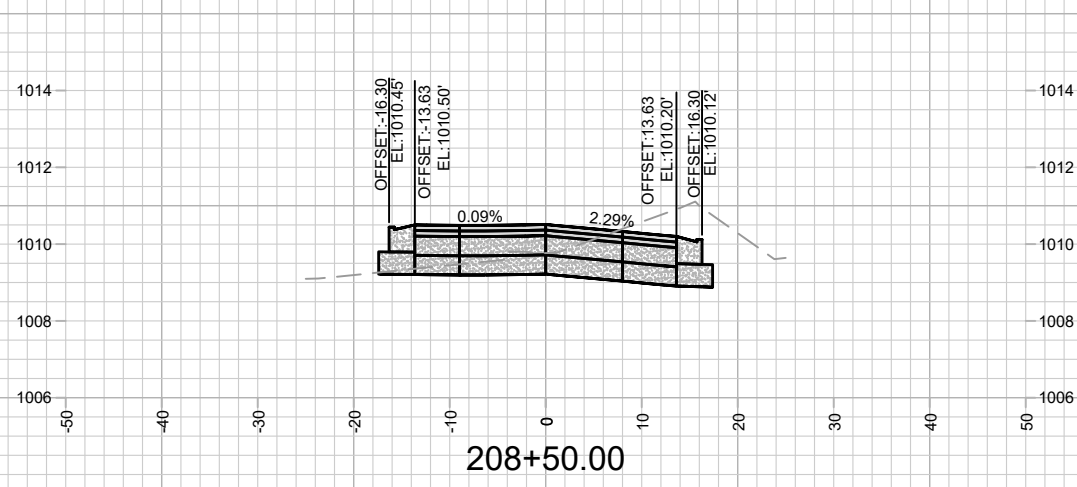
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 MADISON, WI
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 CONTRACT NO:
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 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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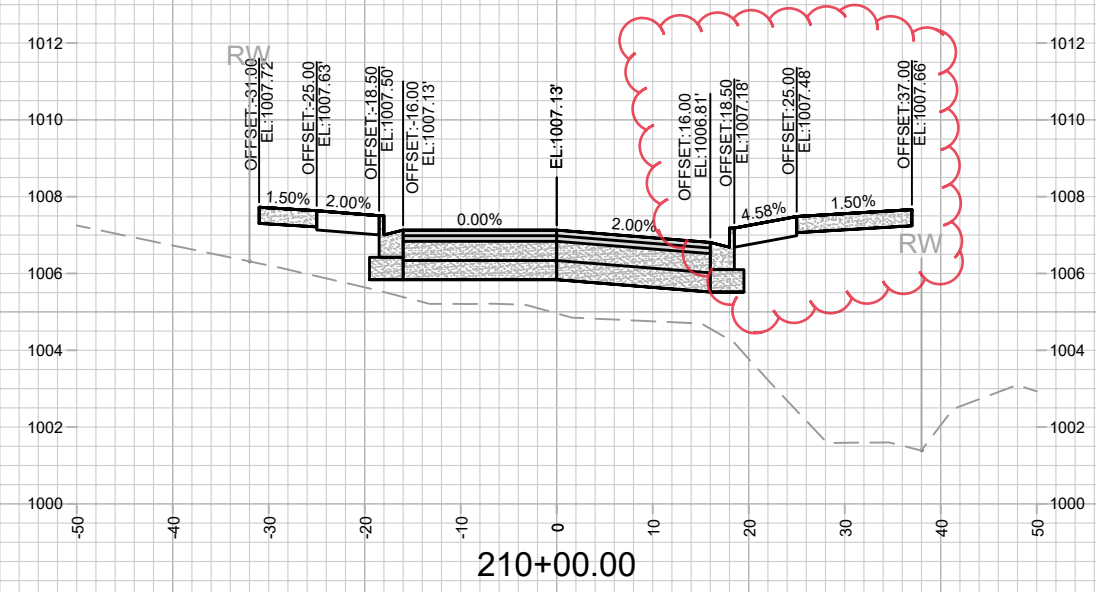
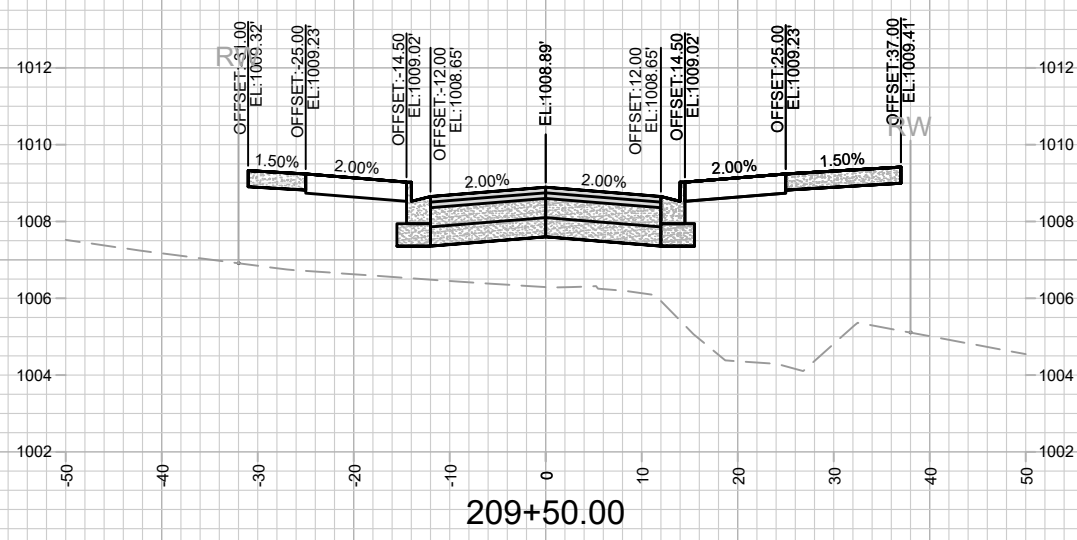
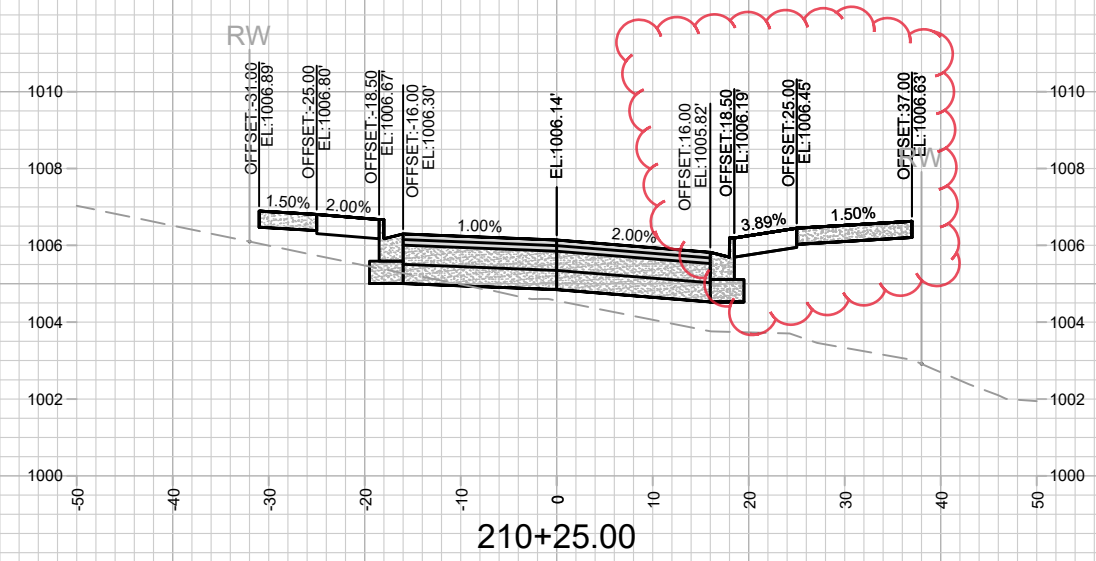
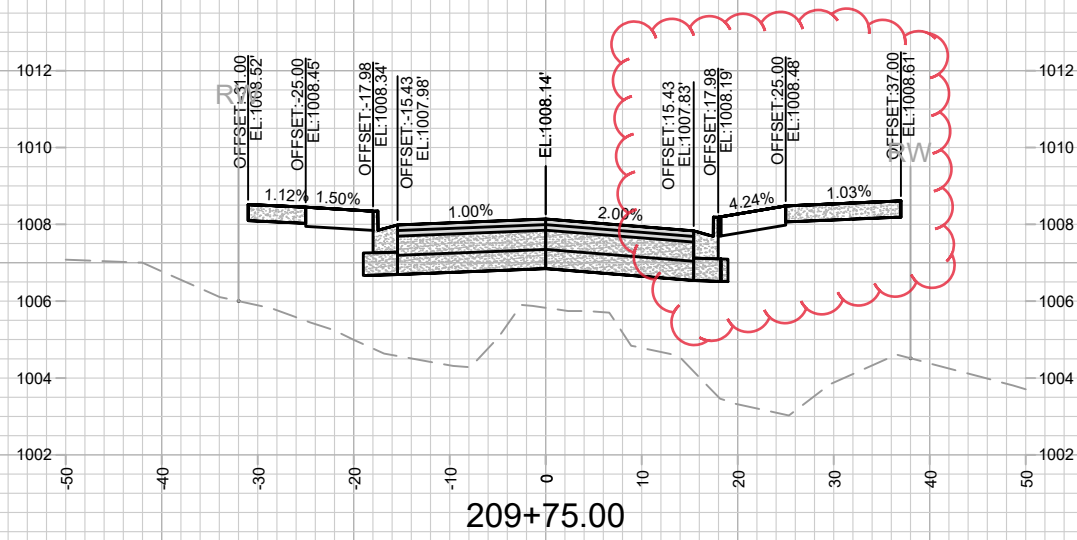
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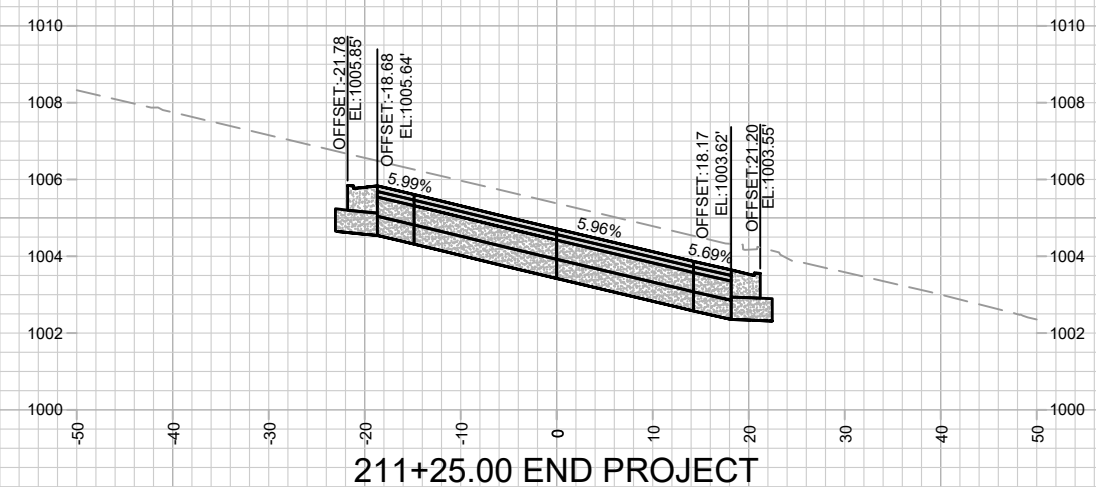
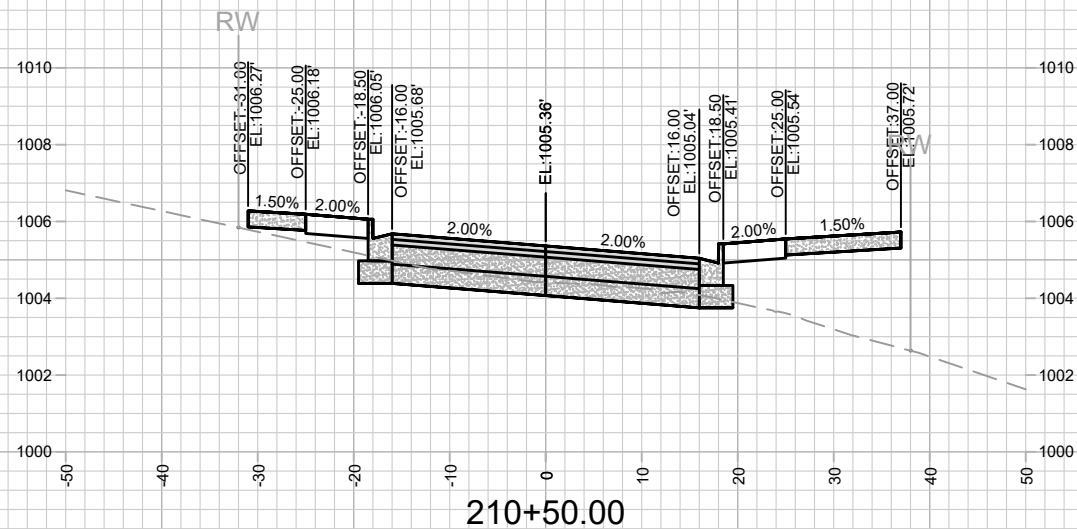
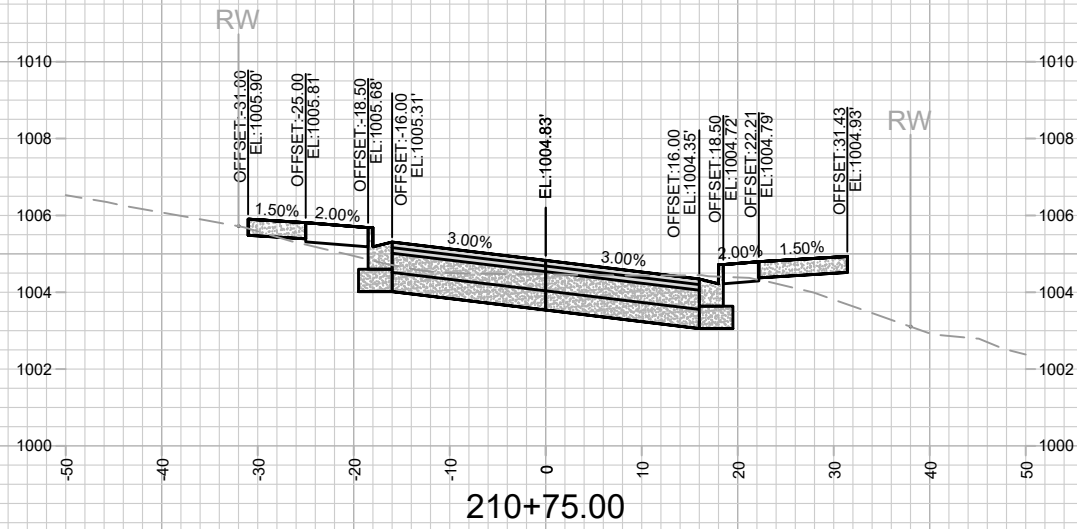
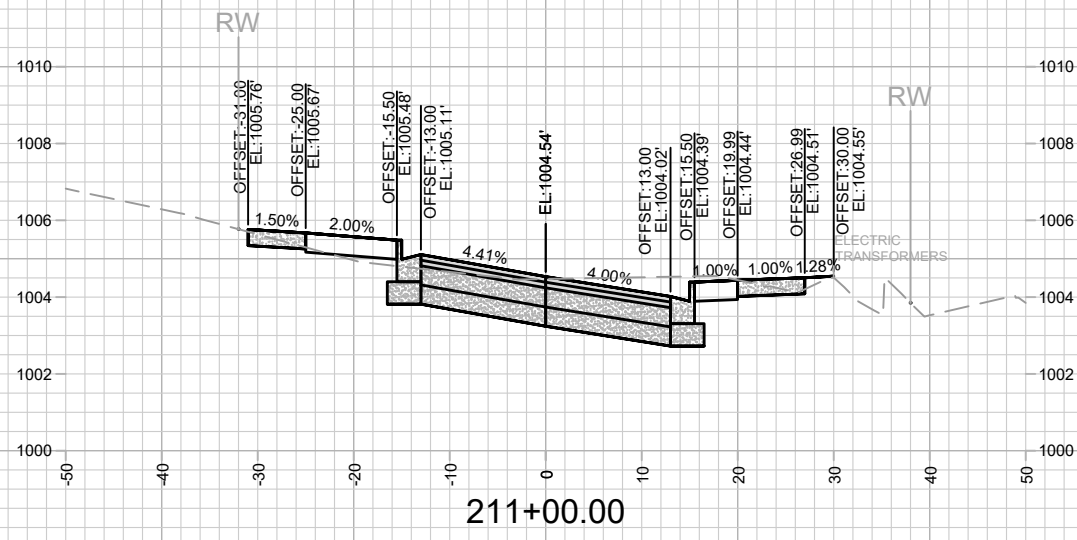
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UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
CONTRACT NO: 9003
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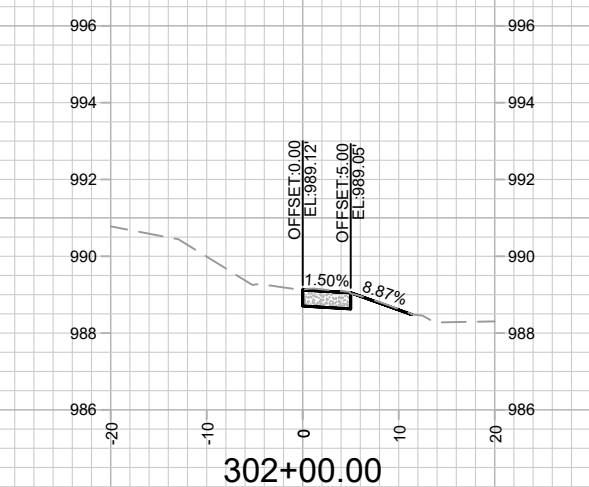
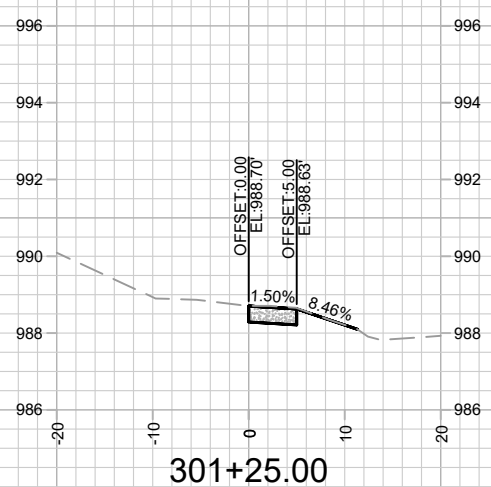
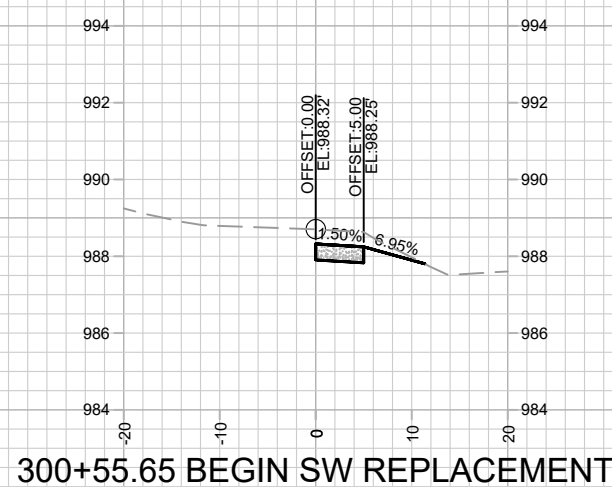
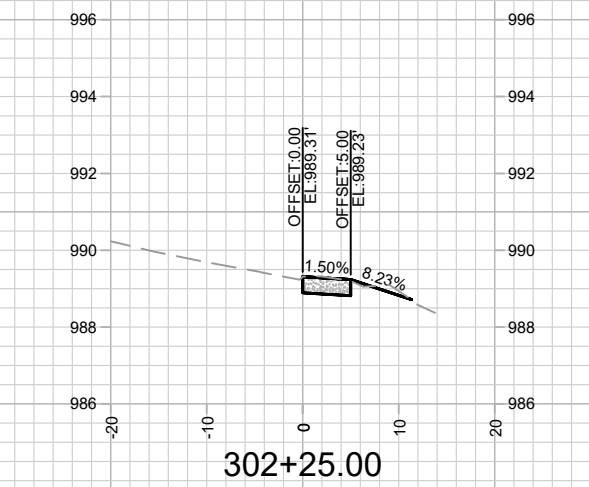
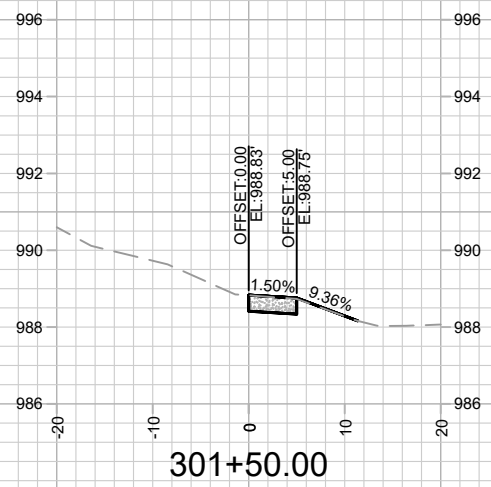
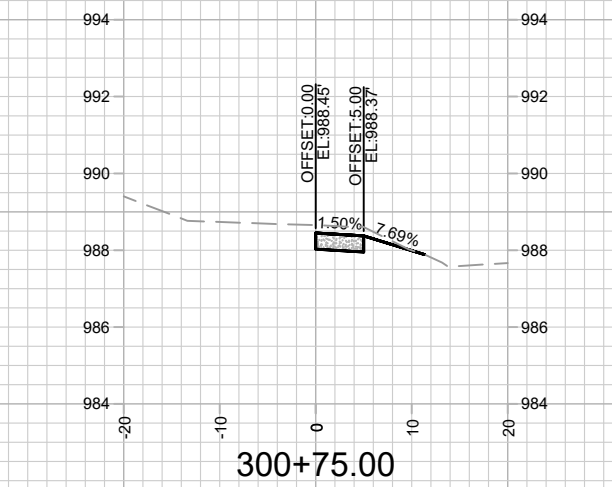
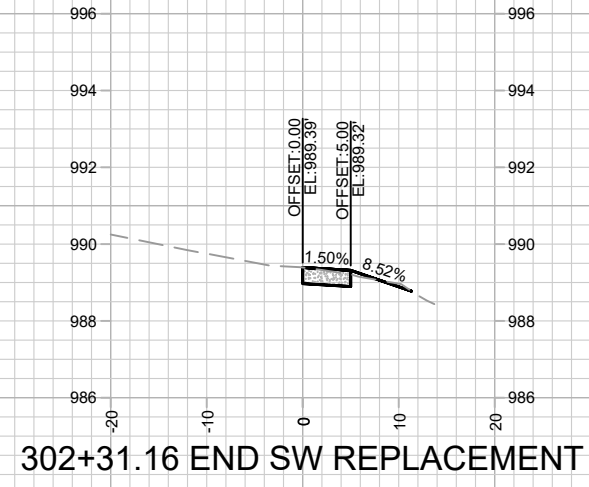
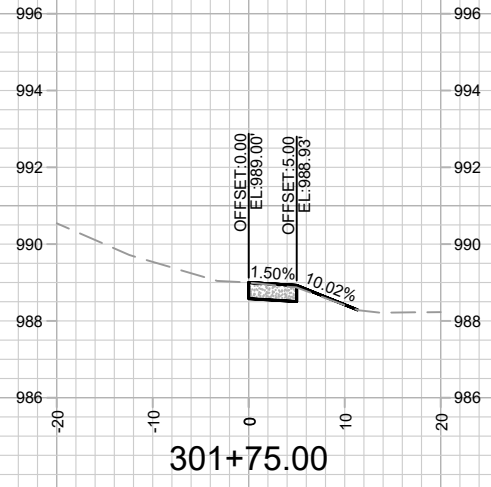
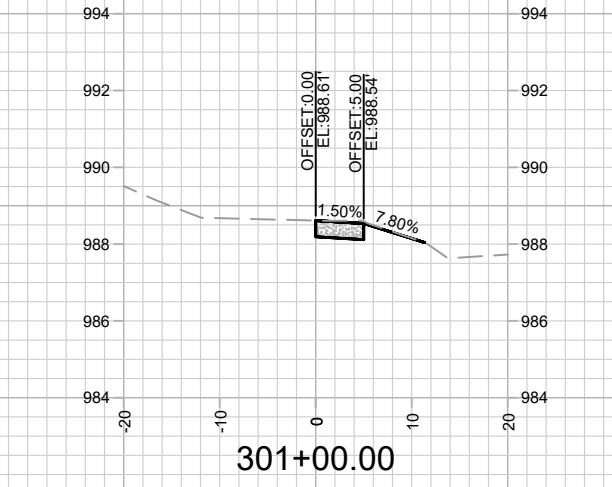
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REVISION			
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13355			X-16

13355
 CATALYST WAY CROSS SECTIONS
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
 MADISON, WI
 CONTRACT NO: 9003
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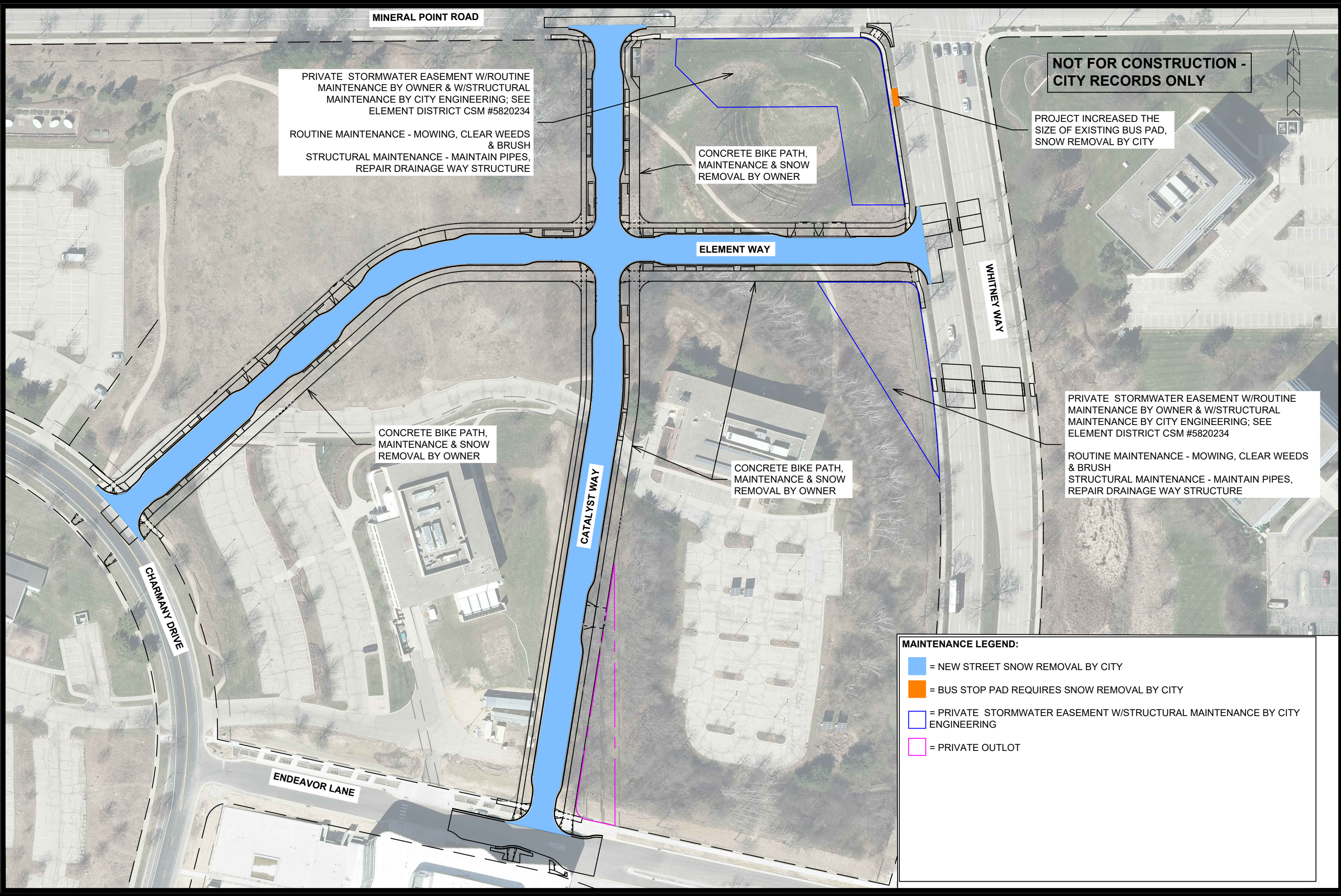


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 MADISON, WI
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WHITNEY WAY SIDEWALK CROSS SECTIONS
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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PRIVATE STORMWATER EASEMENT W/ROUTINE MAINTENANCE BY OWNER & W/STRUCTURAL MAINTENANCE BY CITY ENGINEERING; SEE ELEMENT DISTRICT CSM #5820234

ROUTINE MAINTENANCE - MOWING, CLEAR WEEDS & BRUSH

STRUCTURAL MAINTENANCE - MAINTAIN PIPES, REPAIR DRAINAGE WAY STRUCTURE

CONCRETE BIKE PATH, MAINTENANCE & SNOW REMOVAL BY OWNER

NOT FOR CONSTRUCTION - CITY RECORDS ONLY

PROJECT INCREASED THE SIZE OF EXISTING BUS PAD, SNOW REMOVAL BY CITY

CONCRETE BIKE PATH, MAINTENANCE & SNOW REMOVAL BY OWNER

CONCRETE BIKE PATH, MAINTENANCE & SNOW REMOVAL BY OWNER

PRIVATE STORMWATER EASEMENT W/ROUTINE MAINTENANCE BY OWNER & W/STRUCTURAL MAINTENANCE BY CITY ENGINEERING; SEE ELEMENT DISTRICT CSM #5820234

ROUTINE MAINTENANCE - MOWING, CLEAR WEEDS & BRUSH

STRUCTURAL MAINTENANCE - MAINTAIN PIPES, REPAIR DRAINAGE WAY STRUCTURE

MAINTENANCE LEGEND:

- = NEW STREET SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = PRIVATE STORMWATER EASEMENT W/STRUCTURAL MAINTENANCE BY CITY ENGINEERING
- = PRIVATE OUTLOT

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13355	5/26/2022 2:14 PM		

Scale: 1" = 100'

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13355
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 ELEMENT WAY & CATALYST WAY MAINTENANCE PLAN
 UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE
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